



March 19, 2015
Reginal B. Barner.
560 Jefferson Davis Highway
Graniteville, South Carolina 29829

RE Gregg Plant Tank Farm Brownfields Cleanup
Confirmation Sampling

1233 Washington Street
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Columbia, SC 29201
USA

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Dear Mr. Barner:

Cardno collected seven (7) soil samples on February 26, 2015 for laboratory analysis from three locations in the former tank farm area of the referenced property. This report briefly details the sampling methodology and analytical findings.

The tank farm area had the appearance of being recently cleared of vegetation and most of the concrete, asphalt, and tank structures. A small concrete pad formerly used as an aboveground tank containment structure remained at the northeast corner of the former tank farm area, and a concrete saddle associated with horizontal tanks was located approximately midway along the eastern edge of the area. Small amounts of metal and other building debris appeared intermixed with the soil but were avoided as sample locations. Portions of the tank farm area were covered with large puddles of water as a result of recent heavy rains and irregular land grading.

1) Field Methodology

The samples were collected in accordance with the February 13, 2015 Combined Generic and Site-Specific Quality Assurance Project Plan Revision 2 (GSQAPP) as approved by the USEPA and the SCDHEC on February 19, 2015.

Craig Dukes, Cardno Staff Senior Scientist, collected surface and subsurface soil samples at the approximate locations shown on Figure 1. Surface soil samples, designated as "SS", were collected from the top 12" of soil via use of a hand auger decontaminated prior to use at each location. The soil samples were placed into decontaminated stainless steel pans and homogenized to a relatively uniform texture prior to placement into laboratory-supplied sample containers excluding rocks and gravel. The hand auger was then advanced deeper to extract subsurface soils from the 2' to 3' depth. The subsurface samples for Volatile Organic Compounds (VOCs) analysis were collected directly from the extracted auger without aeration or mixing, and the remainder of the sample was placed into stainless pans and homogenized similar to the surface samples.

All samples included diverse types of sediments ranging in texture from wet, gritty orange and tan sands to extremely dense grey and orange clays. Due to the diverse soil textures encountered and the high moisture content, complete homogenization of the samples was not possible.

Careful handling of samples was observed throughout the sampling procedures to avoid cross contamination. The samples were placed in ice for transport and overnight delivery to Pace Analytical Services for analysis. Chain of custody forms were maintained during the shipping and handling process to document sample integrity. Copies of these forms are included with the laboratory analytical reports in Appendix A.

Pace Analytical Services, SCDHEC certified laboratory #: 99006001, analyzed the surface soil samples for TAL metals via USEPA Methods 6010 and 7471, TCL SVOCs with low level PAHs SIM analysis via USEPA Method 8270; and PCBs via USEPA Method 8082. The subsurface samples had similar analysis with the addition of TCL VOCs via USEPA Method 8260.

2) GSQAPP Deviations

Sampling was conducted in accordance with the GSQAPP with the following exceptions:

- CS-SS-01 and its corresponding CS-SB-01 had to be moved slightly from the GSQAPP location due to the concrete tank containment pad still in place, where the sample was originally planned. The sample was moved to an area of soil beside an in-ground sump that would have collected runoff and spills from tanks formerly located on the containment pad. The resulting sample location was covered by a recent rain puddle of approximately 3 inches.
- Text in the GSQAPP stated a Field Blank Quality Control Sample would be collected for VOC analysis, whereas Table 3 listed the sample as an Equipment Blank for Metal analysis. Based on previous testing on-site that found substances more likely to be carried over to other samples with incomplete decontamination, the Quality Control sample was collected as an Equipment Blank. Cardno believes that the analytical results from this sampling event supports this decision, as no appreciable levels of VOCs were reported in any of the samples on-site.
- The GSQAPP inadvertently listed collection of a duplicate surface soil and a duplicate subsurface soil sample at the CS-02 location for a total of two duplicate samples for six soil matrix samples, whereas normal field practice collects one duplicate per day or for every sixteen to twenty

samples. Due to budget considerations and difficulty in obtaining homogenous samples particularly at the CS-02 location, only the subsurface duplicate sample was collected and submitted for laboratory analysis.

3) Data Results

The laboratory analytical data are attached along with Table 1a and 1b, which are summaries of all analytes detected above their respective laboratory reporting limits.

The analytical results were compared to values listed in the USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites (January 2015) for Residential and Industrial soil exposure criteria. Metal results were also compared to published background values for South Carolina soils (J. Canova, "Trace Elements in South Carolina Background Soils" South Carolina Geology, 1999).

The following notable findings were reported:

- a) **Inorganics:** Multiple TAL metals were observed in all soil samples at concentrations above the laboratory reporting limit but below their respective screening values. Arsenic was reported in one sample, CS-SB-01, above its Residential RSL but well within the range of naturally occurring background metal concentrations in this region of the state. Cardno does not believe the reported Arsenic concentration is indicative of a release at this location.

Sodium was reported in all samples at concentrations much higher than its published statewide average concentration and calcium was detected at or above its published statewide average concentration in three of the samples. Cardno believes these results are consistent with kaolinitic clays as found in the area and are of no significance. Neither metal has an established screening value.

- b) **Organics:** The Polychlorinated Biphenyl (PCB) Aroclor 1254 was detected at an elevated concentration above its Industrial RSL in CS-SS-02. Aroclor 1254 was also detected at concentrations lower than screening values in CS-SS-01 and in the duplicate subsurface sample at the CS-02 location. The other subsurface sample at CS-02 required additional dilution by the laboratory such that any PCBs, if present, may have gone undetected. (See below for further discussion of heterogeneity issues with the duplicates samples from the CS-02 location).

Multiple TCL Poly Aromatic Hydrocarbons (PAHs) were observed in all three surface soils samples but not in any of the subsurface samples. All PAH concentrations were below screening values with the exception of benzo[a]pyrene in CS-SS-02, which slightly exceed its Residential RSL.

Trace concentrations of two VOCs were detected in two of the subsurface samples at concentrations below their Residential RSLs and are of no significance.

4) Quality Control and Duplicate Samples

Cardno has evaluated the representativeness of the Phase II ESA activities to document the degree to which the sample data accurately and precisely represents the environmental conditions as sampled. Review of the field methods and procedures indicated that sample collection, handling and transportation were conducted in accordance with the QAPP documents. Review of analytical results indicates that the analytical data is generally uniform and a reliable measure of the contaminants present at the sampling points. The following Quality Control findings support these findings:

- a) **Equipment Blank:** Calcium and Zinc were reported at low concentrations in the equipment rinsate blank. The equipment blank was collected by pouring commercially-obtained distilled water over the auger after use at the CS-02 location, which had high levels of calcium relative to statewide averages.

Finding calcium in the equipment blank potentially indicates an incomplete decontamination process and carry-over from the samples; however, Cardno believes this mechanism does not explain the presence of two metals in the blank. The ratio of calcium to zinc in the blank is much different than in the on-site soils collected just prior to the auger decontamination (The calcium/zinc ratio in the blank was approximately 10, whereas SS-02, SB-02 and SB-04 had ratios of approximately 69, 66, and 57, respectively). Cardno believes these disparate ratios suggests that both metals were found in the equipment blank as a result of a different mechanism and is most likely due to an incomplete distillation process used by the distilled water manufacturer.

- b) **Duplicate Samples:** CS-SB-04 was collected as a "blind" duplicate of CS-SB-02 (numbered differently as a check on the laboratory procedures). The soils from the auger that was subsequently split into the two subsurface samples proved exceedingly difficult to homogenize in the field, as it was a mixture of grey grit, sandy clay, and clay chunks that resisted physical efforts to blend together. As a result, the naturally occurring

metals in soil showed "moderate to high" variability (35 to 109%RPD); however, even the highest concentrations were below their respective screening values and do not suggest a release on the site.

The PCB, Aroclor 1254, was also detected at a level less than its Residential RSL in one of the duplicate samples (SB-04) but not in the other (SB-02). However, the SB-02 sample required laboratory dilution because of matrix interference and had a Method Detection Level slightly higher than the concentration reported in SB-04. Based on the difficulty in creating a homogeneous split sample, Cardno believes the samples are as representative of site conditions as was possible to obtain.

5) Conclusions

This Brownfields Cleanup Confirmation Sampling found one surface soil location with a concentration of Aroclor 1254 above the EPA Industrial Screening Level, and benzo(a)pyrene above the EPA Residential Screening Level. Arsenic was present in one other soil sample location at a concentration above the Residential Screening Level, but within normally-occurring for this region and is likely of no consequence.

After you have the opportunity to review the results, I am available to answer questions that you may have. I can be reached at 803.929.6056.

Sincerely,



Craig Dukes
Senior Scientist

Attachments



Figure 1
Confirmation Soil Sample
Locations
Gregg Mill, Graniteville SC
February 26, 2015





Table 1a: Inorganic Analytes Detected in Soil
Gregg Plant Confirmation Samples Feb, 26, 2015

Analyte	CAS Number	All Results in mg/kg																							
		EPA RSLs		South Carolina Published Background†	Soil Boring Location # 1						Soil Boring Location #2						Soil Boring Location # 3								
		Resident Soil	Industrial Soil		CS-SS-01	PRL	MDL	CS-SB-01	PRL	MDL	CS-SS-02	PRL	MDL	CS-SB-02	PRL	MDL	CS-SB-04 (Dupl.of SB-02)‡	PRL	MDL	CS-SS-03	PRL	MDL	CS-SB-03	PRL	MDL
Aluminum	7429-90-5	77000	1100000	24255	2430	8.2	4.1	4360	10.4	5.2	1620	9.1	4.5	1800	11.1	5.6	2640	11.4	5.7	1950	8.2	4.1	4410	8.6	4.3
Arsenic	7440-38-2	0.67	3	11	ND	0.82	0.41	1.1	1.0	0.52	ND	0.91	0.45	ND	1.1	0.56	0.60J	1.1	0.57	ND	0.82	0.41	0.51J	0.86	0.43
Barium	7440-39-3	15000	220000	59	15.9	0.41	0.20	20.9	0.52	0.26	12.2	0.45	0.23	6.5	0.56	0.28	11.1	0.57	0.28	8.3	0.41	0.20	12.2	0.43	0.21
Beryllium	7440-41-7	160	2300	0.6‡	0.11	0.082	0.041	0.16	0.10	0.052	0.093	0.091	0.045	0.067J	0.11	0.056	0.11J	0.11	0.057	0.045J	0.082	0.041	0.086J	0.086	0.043
Cadmium	7440-43-9	70	980	1‡	0.066J	0.082	0.041	0.12	0.10	0.052	0.18	0.091	0.045	0.076J	0.11	0.056	0.11J	0.11	0.057	0.042J	0.082	0.041	0.047J	0.086	0.043
Calcium	7440-70-2	nsl	nsl	804‡	487	8.2	4.1	748	10.4	5.2	1330	9.1	4.5	544	11.1	5.6	802	11.4	5.7	114	8.2	4.1	535	8.6	4.3
Chromium	7440-47-3	120000	1800000	29	9.4	0.41	0.20	12.8	0.52	0.26	6.4	0.45	0.23	4.2	0.56	0.28	6.0	0.57	0.28	2.1	0.41	0.20	15.4	0.43	0.21
Cobalt	7440-48-4	23	350	4‡	ND	0.41	0.20	0.50J	0.52	0.26	0.29J	0.45	0.23	ND	0.56	0.28	ND	0.57	0.28	ND	0.41	0.20	0.48	0.43	0.21
Copper	7440-50-8	3100	47000	13	2.9	0.41	0.20	6.2	0.52	0.26	2.2	0.45	0.23	2.3	0.56	0.28	4.3	0.57	0.28	0.79	0.41	0.20	7.7	0.43	0.21
Iron	7439-89-6	55000	820000	28467	5240	8.2	4.1	7280	10.4	5.2	2040	9.1	4.5	1490	11.1	5.6	2290	11.4	5.7	887	8.2	4.1	3470	8.6	4.3
Lead	7439-92-1	400	800	16‡	2.9	0.41	0.20	10.8	0.52	0.26	14.0	0.45	0.23	7.6	0.56	0.28	12.5	0.57	0.28	2.7	0.41	0.20	2.9	0.43	0.21
Magnesium	7439-95-4	nsl	nsl	1916	53.8	8.2	0.20	88.1	10.4	0.26	73.6	9.1	0.23	35.0	11.1	0.28	53.9	11.4	0.28	38.8	8.2	0.20	146	8.6	0.21
Manganese	7439-96-5	1800	26000	235	8.2	0.41	0.20	18.1	0.52	0.26	12.2	0.45	0.23	7.9	0.56	0.28	11.5	0.57	0.28	8.8	0.41	0.20	4.9	0.43	0.21
Nickel	7440-02-0	1500	22000	9	1.0	0.41	0.20	1.9	0.52	0.26	1.6	0.45	0.23	0.55J	0.56	0.28	0.76	0.57	0.28	0.63	0.41	0.20	1.4	0.43	0.21
Sodium	7440-23-5	nsl	nsl	194‡	226J	410	205	918	519	260	395J	453	227	508J	557	278	1070	569	284	1050	409	204	1220	430	215
Vanadium	7440-62-2	390	5800	67	13.3	0.41	0.20	23.2	0.52	0.26	4.2	0.45	0.23	4.8	0.56	0.28	8.1	0.57	0.28	2.3	0.41	0.20	11.1	0.43	0.21
Zinc	7440-66-6	23000	350000	34	4.2	0.82	0.41	11.3	1.0	0.52	19.4	0.91	0.45	8.3	1.1	0.56	14.1	1.1	0.57	3.6	0.82	0.41	4.4	0.86	0.43
Mercury	7439-97-6				0.011	0.0048	0.000096	0.021	0.0039	0.000077	0.099	0.0037	0.000075	0.14	0.019	0.00038	0.24	0.042	0.00084	0.015	0.0040	0.000080	0.031	0.0044	0.000087

* Analytical methods: all Metals by EPA Method 6010 except Mercury is EPA 7471

†: Conova, J. (1999) "Trace Elements in South Carolina Background Soils" South Carolina Geology, v. 41, pp. 11-45. Due to proximity of the subject property to the Fall Line, average concentrations for Piedmont soils are referenced.

‡: Statewide average concentration

nsl No RSL Screening Level

ND Not Detected

PRL Pratical Reporting Level

MDL Method Detection Level

J Estimated Value

Table 1b: Organic Analytes Detected in Soil
Gregg Plant Confirmation Samples Feb, 26, 2015



All results in µg/kg		EPA RSLs		Soil Boring Location #1						Soil Boring Location #2						Soil Boring Location #3									
Analyte*	CAS Number	Resident Soil	Industrial Soil	CS-SS-01	PRL	MDL	CS-SB-01	PRL	MDL	CS-SS-02	PRL	MDL	CS-SB-02	PRL	MDL	CS-SB-04 (dupl. of SB02)	PRL	MDL	CS-SS-03	PRL	MDL	CS-SB-03	PRL	MDL	
PCBs	PCB-1254 (Aroclor 1254)	11097-69-1	240	1000	66.1	37.9	17.2	45.7	39.1	17.8	7110	1850	843	ND	390	177	145	39.0	17.7	ND	362	164	ND	37.4	17.0
PAHs	Acenaphthene	83-32-9	3500000	45000000	ND	11.5	1.7	ND	11.8	1.8	4.4J	13.2	2.0	ND	11.8	1.8	ND	11.8	1.8	ND	11.0	1.6	ND	11.3	1.7
	Anthracene	120-12-7	17000000	230000000	ND	11.5	1.6	ND	11.8	1.7	14.2	13.2	1.9	ND	11.8	1.7	ND	11.8	1.7	ND	11.0	1.5	ND	11.3	1.6
	Benzo(a)anthracene	56-55-3	150	2900	2.2J	11.5	0.81	ND	11.8	0.84	26.5	13.2	0.94	ND	11.8	0.84	ND	11.8	0.84	1.3J	11.0	0.78	ND	11.3	0.81
	Benzo(a)pyrene	50-32-8	15	290	2.7J	11.5	1.3	ND	11.8	1.3	21.5	13.2	1.5	ND	11.8	1.3	ND	11.8	1.3	1.6J	11.0	1.2	ND	11.3	1.2
	Benzo(b)fluoranthene	205-99-2	150	2900	3.0J	11.5	0.77	ND	11.8	0.79	22.2	13.2	0.89	ND	11.8	0.79	ND	11.8	0.79	1.6J	11.0	0.73	ND	11.3	0.76
	Benzo(g,h,i)perylene	191-24-2	nsl	nsl	ND	11.5	3.0	ND	11.8	3.1	12.4J	13.2	3.4	ND	11.8	3.1	ND	11.8	3.1	ND	11.0	2.8	ND	11.3	3.0
	Benzo(k)fluoranthene	207-08-9	1500	29000	2.3J	11.5	1.7	ND	11.8	1.8	20.3	13.2	2.0	ND	11.8	1.8	ND	11.8	1.8	ND	11.0	1.6	ND	11.3	1.7
	Chrysene	218-01-9	15000	290000	2.6J	11.5	2.1	ND	11.8	2.1	26.1	13.2	2.4	ND	11.8	2.1	ND	11.8	2.1	ND	11.0	2.0	ND	11.3	2.0
	Dibenz(a,h)anthracene	53-70-3	15	290	ND	11.5	2.1	ND	11.8	2.1	5.5J	13.2	2.4	ND	11.8	2.1	ND	11.8	2.1	ND	11.0	2.0	ND	11.3	2.0
	Fluoranthene	206-44-0	2300000	30000000	4.9J	11.5	0.95	ND	11.8	0.98	65.0	13.2	1.1	ND	11.8	0.98	ND	11.8	0.98	1.4J	11.0	0.91	ND	11.3	0.94
	Fluorene	86-73-7	2300000	30000000	ND	11.5	1.8	ND	11.8	1.9	4.6J	13.2	2.1	ND	11.8	1.9	ND	11.8	1.9	ND	11.0	1.8	ND	11.3	1.8
	Indeno(1,2,3-cd)pyrene	193-39-5	150	2900	ND	11.5	3.2	ND	11.8	3.3	11.7J	13.2	3.7	ND	11.8	3.3	ND	11.8	3.3	ND	11.0	3.1	ND	11.3	3.2
	1-Methylnaphthalene	90-12-0	17000	73000	ND	11.5	1.4	ND	11.8	1.4	2.2J	13.2	1.6	ND	11.8	1.4	ND	11.8	1.4	ND	11.0	1.3	ND	11.3	1.4
	2-Methylnaphthalene	91-57-6	230000	3000000	ND	11.5	1.3	ND	11.8	1.3	2.4J	13.2	1.5	ND	11.8	1.3	ND	11.8	1.3	ND	11.0	1.2	ND	11.3	1.2
	Naphthalene	91-20-3	3800	17000	ND	11.5	2.6	ND	11.8	2.7	4.3J	13.2	3.0	ND	11.8	2.7	ND	11.8	2.7	ND	11.0	2.5	ND	11.3	2.6
	Phenanthrene	85-01-8	nsl	nsl	2.9J	11.5	1.7	ND	11.8	1.8	57.1	13.2	2.0	ND	11.8	1.8	ND	11.8	1.8	ND	11.0	1.6	ND	11.3	1.7
	Pyrene	129-00-0	1700000	23000000	4.4J	11.5	2.1	ND	11.8	2.1	49.8	13.2	2.4	ND	11.8	2.1	ND	11.8	2.1	ND	11.0	2.0	ND	11.3	2.0
VOCS	Acetone	67-64-1	61000000	670000000	nt			ND	111	11.1	nt			ND	82.0	8.2	ND	79.8	8.0	nt			12.2J	77.6	7.8
	m&p-Xylene	108-38-3	550000	2400000	nt			ND	11.1	4.0	nt			5.6J	8.2	3.0	3.5J	8.0	2.9	nt			ND	7.8	2.8

* Analytical methods: PCBs by EPA 8280, VOCs by EPA 8260, PAHs EPA Method by 8270 SIM

nsl No RSL Screening Level

ND Not Detected

nt not tested

PRL Pratical Reporting Level

MDL Method Detection Level

J Estimated Value

Appendix A

**Lab Data And Chain of Custody
Gregg Plant
Confirmation Soil Samples
February 26, 2015**

March 16, 2015

Craig Dukes
Cardno
1233 Washington Street
Suite 1000
Columbia, SC 29201

RE: Project: GREGG PLANT
Pace Project No.: 92239063

Dear Craig Dukes:

Enclosed are the analytical results for sample(s) received by the laboratory on February 27, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Nicole Gasiorowski
nicole.gasiorowski@pacelabs.com
Project Manager

Enclosures

cc: Brian Kvam, Concurrent Technologies Corp



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: GREGG PLANT
Pace Project No.: 92239063

Charlotte Certification IDs

9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001

Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

Asheville Certification IDs

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
West Virginia Certification #: 356
Virginia/VELAP Certification #: 460222

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: GREGG PLANT
 Pace Project No.: 92239063

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92239063001	CS-SS-01	Solid	02/26/15 11:20	02/27/15 11:00
92239063002	CS-SS-02	Solid	02/26/15 12:05	02/27/15 11:00
92239063003	CS-SS-03	Solid	02/26/15 13:30	02/27/15 11:00
92239063004	EQUIPMENT BLANK	Water	02/26/15 13:15	02/27/15 11:00
92239063005	CS-SB-01	Solid	02/26/15 11:35	02/27/15 11:00
92239063006	CS-SB-02	Solid	02/26/15 12:20	02/27/15 11:00
92239063007	CS-SB-03	Solid	02/26/15 13:25	02/27/15 11:00
92239063008	CS-SB-04	Solid	02/26/15 12:20	02/27/15 11:00
92239063009	TRIP BLANK	Water	02/26/15 00:00	02/27/15 11:00

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: GREGG PLANT
Pace Project No.: 92239063

Lab ID	Sample ID	Method	Analysts	Analytics Reported
92239063001	CS-SS-01	EPA 8082	RES	8
		EPA 6010	JMW	22
		EPA 7471	HVK	1
		EPA 8270	BPJ	56
		EPA 8270 by SIM	RES	21
		ASTM D2974-87	SLJ	1
92239063002	CS-SS-02	EPA 8082	RES	8
		EPA 6010	JMW	22
		EPA 7471	HVK	1
		EPA 8270	BPJ	56
		EPA 8270 by SIM	RES	21
		ASTM D2974-87	SLJ	1
92239063003	CS-SS-03	EPA 8082	RES	8
		EPA 6010	JMW	22
		EPA 7471	HVK	1
		EPA 8270	BPJ	56
		EPA 8270 by SIM	RES	21
		ASTM D2974-87	SLJ	1
92239063004	EQUIPMENT BLANK	EPA 6010	JMW	22
		EPA 7470	HVK	1
92239063005	CS-SB-01	EPA 8082	RES	8
		EPA 6010	JMW	22
		EPA 7471	HVK	1
		EPA 8270	BPJ	56
		EPA 8270 by SIM	RES	21
		EPA 8260	DLK	55
92239063006	CS-SB-02	ASTM D2974-87	SLJ	1
		EPA 8082	RES	8
		EPA 6010	JMW	22
		EPA 7471	HVK	1
		EPA 8270	BPJ	56
		EPA 8270 by SIM	RES	21
92239063007	CS-SB-03	EPA 8260	DLK	55
		ASTM D2974-87	SLJ	1
		EPA 8082	RES	8
		EPA 6010	JMW	22
		EPA 7471	HVK	1

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: GREGG PLANT
Pace Project No.: 92239063

Lab ID	Sample ID	Method	Analysts	Analytics Reported
92239063008	CS-SB-04	EPA 8270	BPJ	56
		EPA 8270 by SIM	RES	21
		EPA 8260	DLK	55
		ASTM D2974-87	SLJ	1
		EPA 8082	RES	8
		EPA 6010	JMW	22
		EPA 7471	HVK	1
		EPA 8270	BPJ	56
		EPA 8270 by SIM	RES	21
		EPA 8260	DLK	55
92239063009	TRIP BLANK	ASTM D2974-87	KDF	1
		EPA 8260	GAW	56

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GREGG PLANT
Pace Project No.: 92239063

Sample: CS-SS-01 Lab ID: 92239063001 Collected: 02/26/15 11:20 Received: 02/27/15 11:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SC		Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND	ug/kg	37.9	17.2	1	03/03/15 10:26	03/05/15 06:05	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	37.9	17.2	1	03/03/15 10:26	03/05/15 06:05	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	37.9	17.2	1	03/03/15 10:26	03/05/15 06:05	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	37.9	17.2	1	03/03/15 10:26	03/05/15 06:05	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	37.9	17.2	1	03/03/15 10:26	03/05/15 06:05	12672-29-6	
PCB-1254 (Aroclor 1254)	66.1	ug/kg	37.9	17.2	1	03/03/15 10:26	03/05/15 06:05	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	37.9	17.2	1	03/03/15 10:26	03/05/15 06:05	11096-82-5	
Surrogates									
Decachlorobiphenyl (S)	89	%	10-128		1	03/03/15 10:26	03/05/15 06:05	2051-24-3	
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Aluminum	2430	mg/kg	8.2	4.1	1	03/02/15 16:15	03/02/15 22:44	7429-90-5	
Antimony	ND	mg/kg	0.41	0.32	1	03/02/15 16:15	03/02/15 22:44	7440-36-0	
Arsenic	ND	mg/kg	0.82	0.41	1	03/02/15 16:15	03/02/15 22:44	7440-38-2	
Barium	15.9	mg/kg	0.41	0.20	1	03/02/15 16:15	03/02/15 22:44	7440-39-3	
Beryllium	0.11	mg/kg	0.082	0.041	1	03/02/15 16:15	03/02/15 22:44	7440-41-7	
Cadmium	0.066J	mg/kg	0.082	0.041	1	03/02/15 16:15	03/02/15 22:44	7440-43-9	
Calcium	487	mg/kg	8.2	4.1	1	03/02/15 16:15	03/02/15 22:44	7440-70-2	
Chromium	9.4	mg/kg	0.41	0.20	1	03/02/15 16:15	03/02/15 22:44	7440-47-3	
Cobalt	ND	mg/kg	0.41	0.20	1	03/02/15 16:15	03/02/15 22:44	7440-48-4	
Copper	2.9	mg/kg	0.41	0.20	1	03/02/15 16:15	03/02/15 22:44	7440-50-8	
Iron	5240	mg/kg	8.2	4.1	1	03/02/15 16:15	03/02/15 22:44	7439-89-6	
Lead	2.9	mg/kg	0.41	0.20	1	03/02/15 16:15	03/02/15 22:44	7439-92-1	
Magnesium	53.8	mg/kg	8.2	0.20	1	03/02/15 16:15	03/02/15 22:44	7439-95-4	
Manganese	8.2	mg/kg	0.41	0.20	1	03/02/15 16:15	03/02/15 22:44	7439-96-5	
Nickel	1.0	mg/kg	0.41	0.20	1	03/02/15 16:15	03/02/15 22:44	7440-02-0	
Potassium	ND	mg/kg	410	410	1	03/02/15 16:15	03/02/15 22:44	7440-09-7	
Selenium	ND	mg/kg	0.82	0.41	1	03/02/15 16:15	03/02/15 22:44	7782-49-2	
Silver	ND	mg/kg	0.41	0.20	1	03/02/15 16:15	03/02/15 22:44	7440-22-4	
Sodium	226J	mg/kg	410	205	1	03/02/15 16:15	03/02/15 22:44	7440-23-5	
Thallium	ND	mg/kg	0.82	0.41	1	03/02/15 16:15	03/02/15 22:44	7440-28-0	
Vanadium	13.3	mg/kg	0.41	0.20	1	03/02/15 16:15	03/02/15 22:44	7440-62-2	
Zinc	4.2	mg/kg	0.82	0.41	1	03/02/15 16:15	03/02/15 22:44	7440-66-6	
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	0.011	mg/kg	0.0048	0.000096	1	03/03/15 18:00	03/04/15 12:58	7439-97-6	
8270 MSSV Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acetophenone	ND	ug/kg	379	195	1	03/03/15 14:00	03/04/15 12:35	98-86-2	
Atrazine	ND	ug/kg	757	149	1	03/03/15 14:00	03/04/15 12:35	1912-24-9	
Benzaldehyde	ND	ug/kg	757	379	1	03/03/15 14:00	03/04/15 12:35	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	379	119	1	03/03/15 14:00	03/04/15 12:35	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	379	68.9	1	03/03/15 14:00	03/04/15 12:35	101-55-3	
Butylbenzylphthalate	ND	ug/kg	379	80.3	1	03/03/15 14:00	03/04/15 12:35	85-68-7	
Caprolactam	ND	ug/kg	379	65.4	1	03/03/15 14:00	03/04/15 12:35	105-60-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GREGG PLANT
Pace Project No.: 92239063

Sample: CS-SS-01 Lab ID: 92239063001 Collected: 02/26/15 11:20 Received: 02/27/15 11:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Carbazole	ND	ug/kg	379	72.3	1	03/03/15 14:00	03/04/15 12:35	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	757	78.0	1	03/03/15 14:00	03/04/15 12:35	59-50-7	
4-Chloroaniline	ND	ug/kg	1890	106	1	03/03/15 14:00	03/04/15 12:35	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	379	88.4	1	03/03/15 14:00	03/04/15 12:35	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	379	96.4	1	03/03/15 14:00	03/04/15 12:35	111-44-4	
2-Chloronaphthalene	ND	ug/kg	379	74.6	1	03/03/15 14:00	03/04/15 12:35	91-58-7	
2-Chlorophenol	ND	ug/kg	379	103	1	03/03/15 14:00	03/04/15 12:35	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	379	78.0	1	03/03/15 14:00	03/04/15 12:35	7005-72-3	
Dibenzofuran	ND	ug/kg	379	62.0	1	03/03/15 14:00	03/04/15 12:35	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	1890	82.6	1	03/03/15 14:00	03/04/15 12:35	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	379	82.6	1	03/03/15 14:00	03/04/15 12:35	120-83-2	
Diethylphthalate	ND	ug/kg	379	58.5	1	03/03/15 14:00	03/04/15 12:35	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	379	149	1	03/03/15 14:00	03/04/15 12:35	105-67-9	
Dimethylphthalate	ND	ug/kg	379	76.9	1	03/03/15 14:00	03/04/15 12:35	131-11-3	
Di-n-butylphthalate	ND	ug/kg	379	62.0	1	03/03/15 14:00	03/04/15 12:35	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	757	75.7	1	03/03/15 14:00	03/04/15 12:35	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1890	62.0	1	03/03/15 14:00	03/04/15 12:35	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	379	71.2	1	03/03/15 14:00	03/04/15 12:35	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	379	79.2	1	03/03/15 14:00	03/04/15 12:35	606-20-2	
Di-n-octylphthalate	ND	ug/kg	379	79.2	1	03/03/15 14:00	03/04/15 12:35	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	379	103	1	03/03/15 14:00	03/04/15 12:35	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	379	65.4	1	03/03/15 14:00	03/04/15 12:35	87-68-3	
Hexachlorobenzene	ND	ug/kg	379	48.2	1	03/03/15 14:00	03/04/15 12:35	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	379	70.0	1	03/03/15 14:00	03/04/15 12:35	77-47-4	
Hexachloroethane	ND	ug/kg	379	99.8	1	03/03/15 14:00	03/04/15 12:35	67-72-1	
Isophorone	ND	ug/kg	379	84.9	1	03/03/15 14:00	03/04/15 12:35	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	379	115	1	03/03/15 14:00	03/04/15 12:35	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	379	149	1	03/03/15 14:00	03/04/15 12:35		
2-Nitroaniline	ND	ug/kg	1890	117	1	03/03/15 14:00	03/04/15 12:35	88-74-4	
3-Nitroaniline	ND	ug/kg	1890	103	1	03/03/15 14:00	03/04/15 12:35	99-09-2	
4-Nitroaniline	ND	ug/kg	757	107	1	03/03/15 14:00	03/04/15 12:35	100-01-6	
Nitrobenzene	ND	ug/kg	379	103	1	03/03/15 14:00	03/04/15 12:35	98-95-3	
2-Nitrophenol	ND	ug/kg	379	91.8	1	03/03/15 14:00	03/04/15 12:35	88-75-5	
4-Nitrophenol	ND	ug/kg	1890	67.7	1	03/03/15 14:00	03/04/15 12:35	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	379	72.3	1	03/03/15 14:00	03/04/15 12:35	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	379	112	1	03/03/15 14:00	03/04/15 12:35	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	379	101	1	03/03/15 14:00	03/04/15 12:35	108-60-1	
Pentachlorophenol	ND	ug/kg	1890	68.9	1	03/03/15 14:00	03/04/15 12:35	87-86-5	
Phenol	ND	ug/kg	379	114	1	03/03/15 14:00	03/04/15 12:35	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	379	138	1	03/03/15 14:00	03/04/15 12:35	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	379	149	1	03/03/15 14:00	03/04/15 12:35	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	379	117	1	03/03/15 14:00	03/04/15 12:35	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	379	83.8	1	03/03/15 14:00	03/04/15 12:35	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	48	%	30-110		1	03/03/15 14:00	03/04/15 12:35	321-60-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GREGG PLANT
Pace Project No.: 92239063

Sample: CS-SS-01 Lab ID: 92239063001 Collected: 02/26/15 11:20 Received: 02/27/15 11:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual								
8270 MSSV Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546															
Surrogates																	
Terphenyl-d14 (S) 44 % 28-110 1 03/03/15 14:00 03/04/15 12:35 1718-51-0																	
Phenol-d6 (S) 45 % 22-110 1 03/03/15 14:00 03/04/15 12:35 13127-88-3																	
2-Fluorophenol (S) 45 % 13-110 1 03/03/15 14:00 03/04/15 12:35 367-12-4																	
2,4,6-Tribromophenol (S) 58 % 27-110 1 03/03/15 14:00 03/04/15 12:35 118-79-6																	
Nitrobenzene-d5 (S) 52 % 23-110 1 03/03/15 14:00 03/04/15 12:35 4165-60-0																	
8270 MSSV MW PAH by SIM		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546															
Acenaphthene ND ug/kg 11.5 1.7 1 03/04/15 11:00 03/06/15 20:23 83-32-9																	
Acenaphthylene ND ug/kg 11.5 1.5 1 03/04/15 11:00 03/06/15 20:23 208-96-8																	
Anthracene ND ug/kg 11.5 1.6 1 03/04/15 11:00 03/06/15 20:23 120-12-7																	
Benzo(a)anthracene 2.2J ug/kg 11.5 0.81 1 03/04/15 11:00 03/06/15 20:23 56-55-3																	
Benzo(a)pyrene 2.7J ug/kg 11.5 1.3 1 03/04/15 11:00 03/06/15 20:23 50-32-8																	
Benzo(b)fluoranthene 3.0J ug/kg 11.5 0.77 1 03/04/15 11:00 03/06/15 20:23 205-99-2																	
Benzo(g,h,i)perylene ND ug/kg 11.5 3.0 1 03/04/15 11:00 03/06/15 20:23 191-24-2																	
Benzo(k)fluoranthene 2.3J ug/kg 11.5 1.7 1 03/04/15 11:00 03/06/15 20:23 207-08-9																	
Chrysene 2.6J ug/kg 11.5 2.1 1 03/04/15 11:00 03/06/15 20:23 218-01-9																	
Dibenz(a,h)anthracene ND ug/kg 11.5 2.1 1 03/04/15 11:00 03/06/15 20:23 53-70-3																	
Fluoranthene 4.9J ug/kg 11.5 0.95 1 03/04/15 11:00 03/06/15 20:23 206-44-0																	
Fluorene ND ug/kg 11.5 1.8 1 03/04/15 11:00 03/06/15 20:23 86-73-7																	
Indeno(1,2,3-cd)pyrene ND ug/kg 11.5 3.2 1 03/04/15 11:00 03/06/15 20:23 193-39-5																	
1-Methylnaphthalene ND ug/kg 11.5 1.4 1 03/04/15 11:00 03/06/15 20:23 90-12-0																	
2-Methylnaphthalene ND ug/kg 11.5 1.3 1 03/04/15 11:00 03/06/15 20:23 91-57-6																	
Naphthalene ND ug/kg 11.5 2.6 1 03/04/15 11:00 03/06/15 20:23 91-20-3																	
Phenanthrene 2.9J ug/kg 11.5 1.7 1 03/04/15 11:00 03/06/15 20:23 85-01-8																	
Pyrene 4.4J ug/kg 11.5 2.1 1 03/04/15 11:00 03/06/15 20:23 129-00-0																	
Surrogates																	
Nitrobenzene-d5 (S) 64 % 10-128 1 03/04/15 11:00 03/06/15 20:23 4165-60-0																	
2-Fluorobiphenyl (S) 49 % 10-110 1 03/04/15 11:00 03/06/15 20:23 321-60-8																	
Terphenyl-d14 (S) 39 % 39-119 1 03/04/15 11:00 03/06/15 20:23 1718-51-0																	
Percent Moisture		Analytical Method: ASTM D2974-87															
Percent Moisture	12.9	%	0.10	0.10	1			03/02/15 18:42									

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GREGG PLANT
Pace Project No.: 92239063

Sample: CS-SS-02 Lab ID: 92239063002 Collected: 02/26/15 12:05 Received: 02/27/15 11:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SC		Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND	ug/kg	1850	843	50	03/03/15 10:26	03/07/15 00:17	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	1850	843	50	03/03/15 10:26	03/07/15 00:17	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	1850	843	50	03/03/15 10:26	03/07/15 00:17	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	1850	843	50	03/03/15 10:26	03/07/15 00:17	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	1850	843	50	03/03/15 10:26	03/07/15 00:17	12672-29-6	
PCB-1254 (Aroclor 1254)	7110	ug/kg	1850	843	50	03/03/15 10:26	03/07/15 00:17	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	1850	843	50	03/03/15 10:26	03/07/15 00:17	11096-82-5	
Surrogates									
Decachlorobiphenyl (S)	0	%	10-128		50	03/03/15 10:26	03/07/15 00:17	2051-24-3	S4
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Aluminum	1620	mg/kg	9.1	4.5	1	03/02/15 16:15	03/02/15 22:47	7429-90-5	
Antimony	ND	mg/kg	0.45	0.35	1	03/02/15 16:15	03/02/15 22:47	7440-36-0	
Arsenic	ND	mg/kg	0.91	0.45	1	03/02/15 16:15	03/02/15 22:47	7440-38-2	
Barium	12.2	mg/kg	0.45	0.23	1	03/02/15 16:15	03/02/15 22:47	7440-39-3	
Beryllium	0.093	mg/kg	0.091	0.045	1	03/02/15 16:15	03/02/15 22:47	7440-41-7	
Cadmium	0.18	mg/kg	0.091	0.045	1	03/02/15 16:15	03/02/15 22:47	7440-43-9	
Calcium	1330	mg/kg	9.1	4.5	1	03/02/15 16:15	03/02/15 22:47	7440-70-2	
Chromium	6.4	mg/kg	0.45	0.23	1	03/02/15 16:15	03/02/15 22:47	7440-47-3	
Cobalt	0.29J	mg/kg	0.45	0.23	1	03/02/15 16:15	03/02/15 22:47	7440-48-4	
Copper	2.2	mg/kg	0.45	0.23	1	03/02/15 16:15	03/02/15 22:47	7440-50-8	
Iron	2040	mg/kg	9.1	4.5	1	03/02/15 16:15	03/02/15 22:47	7439-89-6	
Lead	14.0	mg/kg	0.45	0.23	1	03/02/15 16:15	03/02/15 22:47	7439-92-1	
Magnesium	73.6	mg/kg	9.1	0.23	1	03/02/15 16:15	03/02/15 22:47	7439-95-4	
Manganese	12.2	mg/kg	0.45	0.23	1	03/02/15 16:15	03/02/15 22:47	7439-96-5	
Nickel	1.6	mg/kg	0.45	0.23	1	03/02/15 16:15	03/02/15 22:47	7440-02-0	
Potassium	ND	mg/kg	453	453	1	03/02/15 16:15	03/02/15 22:47	7440-09-7	
Selenium	ND	mg/kg	0.91	0.45	1	03/02/15 16:15	03/02/15 22:47	7782-49-2	
Silver	ND	mg/kg	0.45	0.23	1	03/02/15 16:15	03/02/15 22:47	7440-22-4	
Sodium	395J	mg/kg	453	227	1	03/02/15 16:15	03/02/15 22:47	7440-23-5	
Thallium	ND	mg/kg	0.91	0.45	1	03/02/15 16:15	03/02/15 22:47	7440-28-0	
Vanadium	4.2	mg/kg	0.45	0.23	1	03/02/15 16:15	03/02/15 22:47	7440-62-2	
Zinc	19.4	mg/kg	0.91	0.45	1	03/02/15 16:15	03/02/15 22:47	7440-66-6	
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	0.099	mg/kg	0.0037	0.000075	1	03/03/15 18:00	03/04/15 13:00	7439-97-6	
8270 MSSV Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acetophenone	ND	ug/kg	371	191	1	03/03/15 14:00	03/04/15 13:08	98-86-2	
Atrazine	ND	ug/kg	742	146	1	03/03/15 14:00	03/04/15 13:08	1912-24-9	
Benzaldehyde	ND	ug/kg	742	371	1	03/03/15 14:00	03/04/15 13:08	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	371	117	1	03/03/15 14:00	03/04/15 13:08	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	371	67.4	1	03/03/15 14:00	03/04/15 13:08	101-55-3	
Butylbenzylphthalate	ND	ug/kg	371	78.7	1	03/03/15 14:00	03/04/15 13:08	85-68-7	
Caprolactam	ND	ug/kg	371	64.1	1	03/03/15 14:00	03/04/15 13:08	105-60-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GREGG PLANT
Pace Project No.: 92239063

Sample: CS-SS-02 Lab ID: 92239063002 Collected: 02/26/15 12:05 Received: 02/27/15 11:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Carbazole	ND	ug/kg	371	70.8	1	03/03/15 14:00	03/04/15 13:08	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	742	76.4	1	03/03/15 14:00	03/04/15 13:08	59-50-7	
4-Chloroaniline	ND	ug/kg	1850	103	1	03/03/15 14:00	03/04/15 13:08	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	371	86.5	1	03/03/15 14:00	03/04/15 13:08	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	371	94.4	1	03/03/15 14:00	03/04/15 13:08	111-44-4	
2-Chloronaphthalene	ND	ug/kg	371	73.0	1	03/03/15 14:00	03/04/15 13:08	91-58-7	
2-Chlorophenol	ND	ug/kg	371	101	1	03/03/15 14:00	03/04/15 13:08	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	371	76.4	1	03/03/15 14:00	03/04/15 13:08	7005-72-3	
Dibenzofuran	ND	ug/kg	371	60.7	1	03/03/15 14:00	03/04/15 13:08	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	1850	80.9	1	03/03/15 14:00	03/04/15 13:08	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	371	80.9	1	03/03/15 14:00	03/04/15 13:08	120-83-2	
Diethylphthalate	ND	ug/kg	371	57.3	1	03/03/15 14:00	03/04/15 13:08	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	371	146	1	03/03/15 14:00	03/04/15 13:08	105-67-9	
Dimethylphthalate	ND	ug/kg	371	75.3	1	03/03/15 14:00	03/04/15 13:08	131-11-3	
Di-n-butylphthalate	ND	ug/kg	371	60.7	1	03/03/15 14:00	03/04/15 13:08	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	742	74.2	1	03/03/15 14:00	03/04/15 13:08	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1850	60.7	1	03/03/15 14:00	03/04/15 13:08	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	371	69.7	1	03/03/15 14:00	03/04/15 13:08	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	371	77.5	1	03/03/15 14:00	03/04/15 13:08	606-20-2	
Di-n-octylphthalate	ND	ug/kg	371	77.5	1	03/03/15 14:00	03/04/15 13:08	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	371	101	1	03/03/15 14:00	03/04/15 13:08	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	371	64.1	1	03/03/15 14:00	03/04/15 13:08	87-68-3	
Hexachlorobenzene	ND	ug/kg	371	47.2	1	03/03/15 14:00	03/04/15 13:08	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	371	68.5	1	03/03/15 14:00	03/04/15 13:08	77-47-4	
Hexachloroethane	ND	ug/kg	371	97.8	1	03/03/15 14:00	03/04/15 13:08	67-72-1	
Isophorone	ND	ug/kg	371	83.2	1	03/03/15 14:00	03/04/15 13:08	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	371	112	1	03/03/15 14:00	03/04/15 13:08	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	371	146	1	03/03/15 14:00	03/04/15 13:08		
2-Nitroaniline	ND	ug/kg	1850	115	1	03/03/15 14:00	03/04/15 13:08	88-74-4	
3-Nitroaniline	ND	ug/kg	1850	101	1	03/03/15 14:00	03/04/15 13:08	99-09-2	
4-Nitroaniline	ND	ug/kg	742	105	1	03/03/15 14:00	03/04/15 13:08	100-01-6	
Nitrobenzene	ND	ug/kg	371	101	1	03/03/15 14:00	03/04/15 13:08	98-95-3	
2-Nitrophenol	ND	ug/kg	371	89.9	1	03/03/15 14:00	03/04/15 13:08	88-75-5	
4-Nitrophenol	ND	ug/kg	1850	66.3	1	03/03/15 14:00	03/04/15 13:08	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	371	70.8	1	03/03/15 14:00	03/04/15 13:08	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	371	110	1	03/03/15 14:00	03/04/15 13:08	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	371	98.9	1	03/03/15 14:00	03/04/15 13:08	108-60-1	
Pentachlorophenol	ND	ug/kg	1850	67.4	1	03/03/15 14:00	03/04/15 13:08	87-86-5	
Phenol	ND	ug/kg	371	111	1	03/03/15 14:00	03/04/15 13:08	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	371	135	1	03/03/15 14:00	03/04/15 13:08	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	371	146	1	03/03/15 14:00	03/04/15 13:08	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	371	115	1	03/03/15 14:00	03/04/15 13:08	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	371	82.0	1	03/03/15 14:00	03/04/15 13:08	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	32	%	30-110		1	03/03/15 14:00	03/04/15 13:08	321-60-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GREGG PLANT
Pace Project No.: 92239063

Sample: CS-SS-02 Lab ID: 92239063002 Collected: 02/26/15 12:05 Received: 02/27/15 11:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual								
8270 MSSV Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546															
Surrogates																	
Terphenyl-d14 (S) 35 % 28-110 1 03/03/15 14:00 03/04/15 13:08 1718-51-0																	
Phenol-d6 (S) 34 % 22-110 1 03/03/15 14:00 03/04/15 13:08 13127-88-3																	
2-Fluorophenol (S) 35 % 13-110 1 03/03/15 14:00 03/04/15 13:08 367-12-4																	
2,4,6-Tribromophenol (S) 48 % 27-110 1 03/03/15 14:00 03/04/15 13:08 118-79-6																	
Nitrobenzene-d5 (S) 39 % 23-110 1 03/03/15 14:00 03/04/15 13:08 4165-60-0																	
8270 MSSV MW PAH by SIM		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546															
Acenaphthene 4.4J ug/kg 13.2 2.0 1 03/04/15 11:00 03/06/15 20:43 83-32-9																	
Acenaphthylene ND ug/kg 13.2 1.7 1 03/04/15 11:00 03/06/15 20:43 208-96-8																	
Anthracene 14.2 ug/kg 13.2 1.9 1 03/04/15 11:00 03/06/15 20:43 120-12-7																	
Benzo(a)anthracene 26.5 ug/kg 13.2 0.94 1 03/04/15 11:00 03/06/15 20:43 56-55-3																	
Benzo(a)pyrene 21.5 ug/kg 13.2 1.5 1 03/04/15 11:00 03/06/15 20:43 50-32-8																	
Benzo(b)fluoranthene 22.2 ug/kg 13.2 0.89 1 03/04/15 11:00 03/06/15 20:43 205-99-2																	
Benzo(g,h,i)perylene 12.4J ug/kg 13.2 3.4 1 03/04/15 11:00 03/06/15 20:43 191-24-2																	
Benzo(k)fluoranthene 20.3 ug/kg 13.2 2.0 1 03/04/15 11:00 03/06/15 20:43 207-08-9																	
Chrysene 26.1 ug/kg 13.2 2.4 1 03/04/15 11:00 03/06/15 20:43 218-01-9																	
Dibenz(a,h)anthracene 5.5J ug/kg 13.2 2.4 1 03/04/15 11:00 03/06/15 20:43 53-70-3																	
Fluoranthene 65.0 ug/kg 13.2 1.1 1 03/04/15 11:00 03/06/15 20:43 206-44-0																	
Fluorene 4.6J ug/kg 13.2 2.1 1 03/04/15 11:00 03/06/15 20:43 86-73-7																	
Indeno(1,2,3-cd)pyrene 11.7J ug/kg 13.2 3.7 1 03/04/15 11:00 03/06/15 20:43 193-39-5																	
1-Methylnaphthalene 2.2J ug/kg 13.2 1.6 1 03/04/15 11:00 03/06/15 20:43 90-12-0																	
2-Methylnaphthalene 2.4J ug/kg 13.2 1.5 1 03/04/15 11:00 03/06/15 20:43 91-57-6																	
Naphthalene 4.3J ug/kg 13.2 3.0 1 03/04/15 11:00 03/06/15 20:43 91-20-3																	
Phenanthrene 57.1 ug/kg 13.2 2.0 1 03/04/15 11:00 03/06/15 20:43 85-01-8																	
Pyrene 49.8 ug/kg 13.2 2.4 1 03/04/15 11:00 03/06/15 20:43 129-00-0																	
Surrogates																	
Nitrobenzene-d5 (S) 35 % 10-128 1 03/04/15 11:00 03/06/15 20:43 4165-60-0																	
2-Fluorobiphenyl (S) 25 % 10-110 1 03/04/15 11:00 03/06/15 20:43 321-60-8																	
Terphenyl-d14 (S) 27 % 39-119 1 03/04/15 11:00 03/06/15 20:43 1718-51-0 S0																	
Percent Moisture		Analytical Method: ASTM D2974-87															
Percent Moisture		11.0	%	0.10	0.10	1	03/02/15 18:42										

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ANALYTICAL RESULTS

Project: GREGG PLANT
Pace Project No.: 92239063

Sample: CS-SS-03 Lab ID: 92239063003 Collected: 02/26/15 13:30 Received: 02/27/15 11:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SC		Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND	ug/kg	362	164	10	03/03/15 10:26	03/05/15 15:10	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	362	164	10	03/03/15 10:26	03/05/15 15:10	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	362	164	10	03/03/15 10:26	03/05/15 15:10	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	362	164	10	03/03/15 10:26	03/05/15 15:10	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	362	164	10	03/03/15 10:26	03/05/15 15:10	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	362	164	10	03/03/15 10:26	03/05/15 15:10	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	362	164	10	03/03/15 10:26	03/05/15 15:10	11096-82-5	
Surrogates									
Decachlorobiphenyl (S)	0	%	10-128		10	03/03/15 10:26	03/05/15 15:10	2051-24-3	D3,S4
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Aluminum	1950	mg/kg	8.2	4.1	1	03/02/15 16:15	03/02/15 22:50	7429-90-5	
Antimony	ND	mg/kg	0.41	0.32	1	03/02/15 16:15	03/02/15 22:50	7440-36-0	
Arsenic	ND	mg/kg	0.82	0.41	1	03/02/15 16:15	03/02/15 22:50	7440-38-2	
Barium	8.3	mg/kg	0.41	0.20	1	03/02/15 16:15	03/02/15 22:50	7440-39-3	
Beryllium	0.045J	mg/kg	0.082	0.041	1	03/02/15 16:15	03/02/15 22:50	7440-41-7	
Cadmium	0.042J	mg/kg	0.082	0.041	1	03/02/15 16:15	03/02/15 22:50	7440-43-9	
Calcium	114	mg/kg	8.2	4.1	1	03/02/15 16:15	03/02/15 22:50	7440-70-2	
Chromium	2.1	mg/kg	0.41	0.20	1	03/02/15 16:15	03/02/15 22:50	7440-47-3	
Cobalt	ND	mg/kg	0.41	0.20	1	03/02/15 16:15	03/02/15 22:50	7440-48-4	
Copper	0.79	mg/kg	0.41	0.20	1	03/02/15 16:15	03/02/15 22:50	7440-50-8	
Iron	887	mg/kg	8.2	4.1	1	03/02/15 16:15	03/02/15 22:50	7439-89-6	
Lead	2.7	mg/kg	0.41	0.20	1	03/02/15 16:15	03/02/15 22:50	7439-92-1	
Magnesium	38.8	mg/kg	8.2	0.20	1	03/02/15 16:15	03/02/15 22:50	7439-95-4	
Manganese	8.8	mg/kg	0.41	0.20	1	03/02/15 16:15	03/02/15 22:50	7439-96-5	
Nickel	0.63	mg/kg	0.41	0.20	1	03/02/15 16:15	03/02/15 22:50	7440-02-0	
Potassium	ND	mg/kg	409	409	1	03/02/15 16:15	03/02/15 22:50	7440-09-7	
Selenium	ND	mg/kg	0.82	0.41	1	03/02/15 16:15	03/02/15 22:50	7782-49-2	
Silver	ND	mg/kg	0.41	0.20	1	03/02/15 16:15	03/02/15 22:50	7440-22-4	
Sodium	1050	mg/kg	409	204	1	03/02/15 16:15	03/02/15 22:50	7440-23-5	
Thallium	ND	mg/kg	0.82	0.41	1	03/02/15 16:15	03/02/15 22:50	7440-28-0	
Vanadium	2.3	mg/kg	0.41	0.20	1	03/02/15 16:15	03/02/15 22:50	7440-62-2	
Zinc	3.6	mg/kg	0.82	0.41	1	03/02/15 16:15	03/02/15 22:50	7440-66-6	
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	0.015	mg/kg	0.0040	0.000080	1	03/03/15 18:00	03/04/15 13:08	7439-97-6	
8270 MSSV Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acetophenone	ND	ug/kg	362	186	1	03/03/15 14:00	03/04/15 13:40	98-86-2	
Atrazine	ND	ug/kg	723	142	1	03/03/15 14:00	03/04/15 13:40	1912-24-9	
Benzaldehyde	ND	ug/kg	723	362	1	03/03/15 14:00	03/04/15 13:40	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	362	114	1	03/03/15 14:00	03/04/15 13:40	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	362	65.7	1	03/03/15 14:00	03/04/15 13:40	101-55-3	
Butylbenzylphthalate	ND	ug/kg	362	76.7	1	03/03/15 14:00	03/04/15 13:40	85-68-7	
Caprolactam	ND	ug/kg	362	62.5	1	03/03/15 14:00	03/04/15 13:40	105-60-2	

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ANALYTICAL RESULTS

Project: GREGG PLANT
Pace Project No.: 92239063

Sample: CS-SS-03 Lab ID: 92239063003 Collected: 02/26/15 13:30 Received: 02/27/15 11:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report		DF	Prepared	Analyzed	CAS No.	Qual					
			Limit	MDL										
8270 MSSV Microwave														
			Analytical Method: EPA 8270 Preparation Method: EPA 3546											
Carbazole	ND	ug/kg	362	69.0	1	03/03/15 14:00	03/04/15 13:40	86-74-8						
4-Chloro-3-methylphenol	ND	ug/kg	723	74.5	1	03/03/15 14:00	03/04/15 13:40	59-50-7						
4-Chloroaniline	ND	ug/kg	1810	101	1	03/03/15 14:00	03/04/15 13:40	106-47-8						
bis(2-Chloroethoxy)methane	ND	ug/kg	362	84.4	1	03/03/15 14:00	03/04/15 13:40	111-91-1						
bis(2-Chloroethyl) ether	ND	ug/kg	362	92.0	1	03/03/15 14:00	03/04/15 13:40	111-44-4						
2-Chloronaphthalene	ND	ug/kg	362	71.2	1	03/03/15 14:00	03/04/15 13:40	91-58-7						
2-Chlorophenol	ND	ug/kg	362	98.6	1	03/03/15 14:00	03/04/15 13:40	95-57-8						
4-Chlorophenylphenyl ether	ND	ug/kg	362	74.5	1	03/03/15 14:00	03/04/15 13:40	7005-72-3						
Dibenzofuran	ND	ug/kg	362	59.2	1	03/03/15 14:00	03/04/15 13:40	132-64-9						
3,3'-Dichlorobenzidine	ND	ug/kg	1810	78.9	1	03/03/15 14:00	03/04/15 13:40	91-94-1						
2,4-Dichlorophenol	ND	ug/kg	362	78.9	1	03/03/15 14:00	03/04/15 13:40	120-83-2						
Diethylphthalate	ND	ug/kg	362	55.9	1	03/03/15 14:00	03/04/15 13:40	84-66-2						
2,4-Dimethylphenol	ND	ug/kg	362	142	1	03/03/15 14:00	03/04/15 13:40	105-67-9						
Dimethylphthalate	ND	ug/kg	362	73.4	1	03/03/15 14:00	03/04/15 13:40	131-11-3						
Di-n-butylphthalate	ND	ug/kg	362	59.2	1	03/03/15 14:00	03/04/15 13:40	84-74-2						
4,6-Dinitro-2-methylphenol	ND	ug/kg	723	72.3	1	03/03/15 14:00	03/04/15 13:40	534-52-1						
2,4-Dinitrophenol	ND	ug/kg	1810	59.2	1	03/03/15 14:00	03/04/15 13:40	51-28-5						
2,4-Dinitrotoluene	ND	ug/kg	362	67.9	1	03/03/15 14:00	03/04/15 13:40	121-14-2						
2,6-Dinitrotoluene	ND	ug/kg	362	75.6	1	03/03/15 14:00	03/04/15 13:40	606-20-2						
Di-n-octylphthalate	ND	ug/kg	362	75.6	1	03/03/15 14:00	03/04/15 13:40	117-84-0						
bis(2-Ethylhexyl)phthalate	ND	ug/kg	362	98.6	1	03/03/15 14:00	03/04/15 13:40	117-81-7						
Hexachloro-1,3-butadiene	ND	ug/kg	362	62.5	1	03/03/15 14:00	03/04/15 13:40	87-68-3						
Hexachlorobenzene	ND	ug/kg	362	46.0	1	03/03/15 14:00	03/04/15 13:40	118-74-1						
Hexachlorocyclopentadiene	ND	ug/kg	362	66.8	1	03/03/15 14:00	03/04/15 13:40	77-47-4						
Hexachloroethane	ND	ug/kg	362	95.3	1	03/03/15 14:00	03/04/15 13:40	67-72-1						
Isophorone	ND	ug/kg	362	81.1	1	03/03/15 14:00	03/04/15 13:40	78-59-1						
2-Methylphenol(o-Cresol)	ND	ug/kg	362	110	1	03/03/15 14:00	03/04/15 13:40	95-48-7						
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	362	142	1	03/03/15 14:00	03/04/15 13:40							
2-Nitroaniline	ND	ug/kg	1810	112	1	03/03/15 14:00	03/04/15 13:40	88-74-4						
3-Nitroaniline	ND	ug/kg	1810	98.6	1	03/03/15 14:00	03/04/15 13:40	99-09-2						
4-Nitroaniline	ND	ug/kg	723	102	1	03/03/15 14:00	03/04/15 13:40	100-01-6						
Nitrobenzene	ND	ug/kg	362	98.6	1	03/03/15 14:00	03/04/15 13:40	98-95-3						
2-Nitrophenol	ND	ug/kg	362	87.7	1	03/03/15 14:00	03/04/15 13:40	88-75-5						
4-Nitrophenol	ND	ug/kg	1810	64.7	1	03/03/15 14:00	03/04/15 13:40	100-02-7						
N-Nitroso-di-n-propylamine	ND	ug/kg	362	69.0	1	03/03/15 14:00	03/04/15 13:40	621-64-7						
N-Nitrosodiphenylamine	ND	ug/kg	362	107	1	03/03/15 14:00	03/04/15 13:40	86-30-6						
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	362	96.4	1	03/03/15 14:00	03/04/15 13:40	108-60-1						
Pentachlorophenol	ND	ug/kg	1810	65.7	1	03/03/15 14:00	03/04/15 13:40	87-86-5						
Phenol	ND	ug/kg	362	108	1	03/03/15 14:00	03/04/15 13:40	108-95-2						
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	362	131	1	03/03/15 14:00	03/04/15 13:40	95-94-3						
2,3,4,6-Tetrachlorophenol	ND	ug/kg	362	142	1	03/03/15 14:00	03/04/15 13:40	58-90-2						
2,4,5-Trichlorophenol	ND	ug/kg	362	112	1	03/03/15 14:00	03/04/15 13:40	95-95-4						
2,4,6-Trichlorophenol	ND	ug/kg	362	80.0	1	03/03/15 14:00	03/04/15 13:40	88-06-2						
Surrogates														
2-Fluorobiphenyl (S)	61	%	30-110		1	03/03/15 14:00	03/04/15 13:40	321-60-8						

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GREGG PLANT
Pace Project No.: 92239063

Sample: CS-SS-03 Lab ID: 92239063003 Collected: 02/26/15 13:30 Received: 02/27/15 11:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
Terphenyl-d14 (S)	61	%	28-110		1	03/03/15 14:00	03/04/15 13:40	1718-51-0	
Phenol-d6 (S)	52	%	22-110		1	03/03/15 14:00	03/04/15 13:40	13127-88-3	
2-Fluorophenol (S)	46	%	13-110		1	03/03/15 14:00	03/04/15 13:40	367-12-4	
2,4,6-Tribromophenol (S)	56	%	27-110		1	03/03/15 14:00	03/04/15 13:40	118-79-6	
Nitrobenzene-d5 (S)	63	%	23-110		1	03/03/15 14:00	03/04/15 13:40	4165-60-0	
8270 MSSV MW PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	ND	ug/kg	11.0	1.6	1	03/04/15 11:00	03/06/15 21:03	83-32-9	
Acenaphthylene	ND	ug/kg	11.0	1.4	1	03/04/15 11:00	03/06/15 21:03	208-96-8	
Anthracene	ND	ug/kg	11.0	1.5	1	03/04/15 11:00	03/06/15 21:03	120-12-7	
Benzo(a)anthracene	1.3J	ug/kg	11.0	0.78	1	03/04/15 11:00	03/06/15 21:03	56-55-3	
Benzo(a)pyrene	1.6J	ug/kg	11.0	1.2	1	03/04/15 11:00	03/06/15 21:03	50-32-8	
Benzo(b)fluoranthene	1.6J	ug/kg	11.0	0.73	1	03/04/15 11:00	03/06/15 21:03	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	11.0	2.8	1	03/04/15 11:00	03/06/15 21:03	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	11.0	1.6	1	03/04/15 11:00	03/06/15 21:03	207-08-9	
Chrysene	ND	ug/kg	11.0	2.0	1	03/04/15 11:00	03/06/15 21:03	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	11.0	2.0	1	03/04/15 11:00	03/06/15 21:03	53-70-3	
Fluoranthene	1.4J	ug/kg	11.0	0.91	1	03/04/15 11:00	03/06/15 21:03	206-44-0	
Fluorene	ND	ug/kg	11.0	1.8	1	03/04/15 11:00	03/06/15 21:03	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	11.0	3.1	1	03/04/15 11:00	03/06/15 21:03	193-39-5	
1-Methylnaphthalene	ND	ug/kg	11.0	1.3	1	03/04/15 11:00	03/06/15 21:03	90-12-0	
2-Methylnaphthalene	ND	ug/kg	11.0	1.2	1	03/04/15 11:00	03/06/15 21:03	91-57-6	
Naphthalene	ND	ug/kg	11.0	2.5	1	03/04/15 11:00	03/06/15 21:03	91-20-3	
Phenanthrene	ND	ug/kg	11.0	1.6	1	03/04/15 11:00	03/06/15 21:03	85-01-8	
Pyrene	ND	ug/kg	11.0	2.0	1	03/04/15 11:00	03/06/15 21:03	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	55	%	10-128		1	03/04/15 11:00	03/06/15 21:03	4165-60-0	
2-Fluorobiphenyl (S)	49	%	10-110		1	03/04/15 11:00	03/06/15 21:03	321-60-8	
Terphenyl-d14 (S)	45	%	39-119		1	03/04/15 11:00	03/06/15 21:03	1718-51-0	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	8.7	%	0.10	0.10	1			03/02/15 18:42	

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ANALYTICAL RESULTS

Project: GREGG PLANT
Pace Project No.: 92239063

Sample: EQUIPMENT BLANK		Lab ID: 92239063004		Collected: 02/26/15 13:15		Received: 02/27/15 11:00		Matrix: Water	
Parameters	Results	Units	Report Limit		DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Aluminum	ND	ug/L	100	50.0	1	03/03/15 14:55	03/04/15 00:39	7429-90-5	
Antimony	ND	ug/L	5.0	3.9	1	03/03/15 14:55	03/04/15 00:39	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	03/03/15 14:55	03/04/15 00:39	7440-38-2	
Barium	ND	ug/L	5.0	2.5	1	03/03/15 14:55	03/04/15 00:39	7440-39-3	
Beryllium	ND	ug/L	1.0	0.050	1	03/03/15 14:55	03/04/15 00:39	7440-41-7	
Cadmium	ND	ug/L	1.0	0.050	1	03/03/15 14:55	03/04/15 00:39	7440-43-9	
Calcium	58.7J	ug/L	100	50.0	1	03/03/15 14:55	03/04/15 00:39	7440-70-2	
Chromium	ND	ug/L	5.0	2.5	1	03/03/15 14:55	03/04/15 00:39	7440-47-3	
Cobalt	ND	ug/L	5.0	2.5	1	03/03/15 14:55	03/04/15 00:39	7440-48-4	
Copper	ND	ug/L	5.0	2.5	1	03/03/15 14:55	03/04/15 00:39	7440-50-8	
Iron	ND	ug/L	50.0	25.0	1	03/03/15 14:55	03/04/15 00:39	7439-89-6	
Lead	ND	ug/L	5.0	2.5	1	03/03/15 14:55	03/04/15 00:39	7439-92-1	
Magnesium	ND	ug/L	100	50.0	1	03/03/15 14:55	03/04/15 00:39	7439-95-4	
Manganese	ND	ug/L	5.0	2.5	1	03/03/15 14:55	03/04/15 00:39	7439-96-5	
Nickel	ND	ug/L	5.0	2.5	1	03/03/15 14:55	03/04/15 00:39	7440-02-0	
Potassium	ND	ug/L	5000	2500	1	03/03/15 14:55	03/04/15 00:39	7440-09-7	
Selenium	ND	ug/L	10.0	5.0	1	03/03/15 14:55	03/04/15 00:39	7782-49-2	
Silver	ND	ug/L	5.0	2.5	1	03/03/15 14:55	03/04/15 00:39	7440-22-4	
Sodium	ND	ug/L	5000	2500	1	03/03/15 14:55	03/04/15 00:39	7440-23-5	
Thallium	ND	ug/L	10.0	5.0	1	03/03/15 14:55	03/04/15 00:39	7440-28-0	
Vanadium	ND	ug/L	5.0	2.5	1	03/03/15 14:55	03/04/15 00:39	7440-62-2	
Zinc	5.7J	ug/L	10.0	5.0	1	03/03/15 14:55	03/04/15 00:39	7440-66-6	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	ND	ug/L	0.20	0.10	1	03/03/15 12:35	03/04/15 17:37	7439-97-6	

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ANALYTICAL RESULTS

Project: GREGG PLANT
Pace Project No.: 92239063

Sample: CS-SB-01 Lab ID: 92239063005 Collected: 02/26/15 11:35 Received: 02/27/15 11:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SC		Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND	ug/kg	39.1	17.8	1	03/09/15 14:30	03/10/15 13:55	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	39.1	17.8	1	03/09/15 14:30	03/10/15 13:55	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	39.1	17.8	1	03/09/15 14:30	03/10/15 13:55	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	39.1	17.8	1	03/09/15 14:30	03/10/15 13:55	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	39.1	17.8	1	03/09/15 14:30	03/10/15 13:55	12672-29-6	
PCB-1254 (Aroclor 1254)	45.7	ug/kg	39.1	17.8	1	03/09/15 14:30	03/10/15 13:55	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	39.1	17.8	1	03/09/15 14:30	03/10/15 13:55	11096-82-5	
Surrogates									
Decachlorobiphenyl (S)	54	%	10-128		1	03/09/15 14:30	03/10/15 13:55	2051-24-3	
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Aluminum	4360	mg/kg	10.4	5.2	1	03/02/15 16:15	03/02/15 22:54	7429-90-5	
Antimony	ND	mg/kg	0.52	0.40	1	03/02/15 16:15	03/02/15 22:54	7440-36-0	
Arsenic	1.1	mg/kg	1.0	0.52	1	03/02/15 16:15	03/02/15 22:54	7440-38-2	
Barium	20.9	mg/kg	0.52	0.26	1	03/02/15 16:15	03/02/15 22:54	7440-39-3	
Beryllium	0.16	mg/kg	0.10	0.052	1	03/02/15 16:15	03/02/15 22:54	7440-41-7	
Cadmium	0.12	mg/kg	0.10	0.052	1	03/02/15 16:15	03/02/15 22:54	7440-43-9	
Calcium	748	mg/kg	10.4	5.2	1	03/02/15 16:15	03/02/15 22:54	7440-70-2	
Chromium	12.8	mg/kg	0.52	0.26	1	03/02/15 16:15	03/02/15 22:54	7440-47-3	
Cobalt	0.50J	mg/kg	0.52	0.26	1	03/02/15 16:15	03/02/15 22:54	7440-48-4	
Copper	6.2	mg/kg	0.52	0.26	1	03/02/15 16:15	03/02/15 22:54	7440-50-8	
Iron	7280	mg/kg	10.4	5.2	1	03/02/15 16:15	03/02/15 22:54	7439-89-6	
Lead	10.8	mg/kg	0.52	0.26	1	03/02/15 16:15	03/02/15 22:54	7439-92-1	
Magnesium	88.1	mg/kg	10.4	0.26	1	03/02/15 16:15	03/02/15 22:54	7439-95-4	
Manganese	18.1	mg/kg	0.52	0.26	1	03/02/15 16:15	03/02/15 22:54	7439-96-5	
Nickel	1.9	mg/kg	0.52	0.26	1	03/02/15 16:15	03/02/15 22:54	7440-02-0	
Potassium	ND	mg/kg	519	519	1	03/02/15 16:15	03/02/15 22:54	7440-09-7	
Selenium	ND	mg/kg	1.0	0.52	1	03/02/15 16:15	03/02/15 22:54	7782-49-2	
Silver	ND	mg/kg	0.52	0.26	1	03/02/15 16:15	03/02/15 22:54	7440-22-4	
Sodium	918	mg/kg	519	260	1	03/02/15 16:15	03/02/15 22:54	7440-23-5	
Thallium	ND	mg/kg	1.0	0.52	1	03/02/15 16:15	03/02/15 22:54	7440-28-0	
Vanadium	23.2	mg/kg	0.52	0.26	1	03/02/15 16:15	03/02/15 22:54	7440-62-2	
Zinc	11.3	mg/kg	1.0	0.52	1	03/02/15 16:15	03/02/15 22:54	7440-66-6	
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	0.021	mg/kg	0.0039	0.000077	1	03/03/15 18:00	03/04/15 13:11	7439-97-6	
8270 MSSV Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acetophenone	ND	ug/kg	391	201	1	03/03/15 14:00	03/04/15 14:13	98-86-2	
Atrazine	ND	ug/kg	781	154	1	03/03/15 14:00	03/04/15 14:13	1912-24-9	
Benzaldehyde	ND	ug/kg	781	391	1	03/03/15 14:00	03/04/15 14:13	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	391	123	1	03/03/15 14:00	03/04/15 14:13	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	391	71.0	1	03/03/15 14:00	03/04/15 14:13	101-55-3	
Butylbenzylphthalate	ND	ug/kg	391	82.8	1	03/03/15 14:00	03/04/15 14:13	85-68-7	
Caprolactam	ND	ug/kg	391	67.5	1	03/03/15 14:00	03/04/15 14:13	105-60-2	

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ANALYTICAL RESULTS

Project: GREGG PLANT

Pace Project No.: 92239063

Sample: CS-SB-01 Lab ID: 92239063005 Collected: 02/26/15 11:35 Received: 02/27/15 11:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Carbazole	ND	ug/kg	391	74.6	1	03/03/15 14:00	03/04/15 14:13	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	781	80.5	1	03/03/15 14:00	03/04/15 14:13	59-50-7	
4-Chloroaniline	ND	ug/kg	1950	109	1	03/03/15 14:00	03/04/15 14:13	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	391	91.1	1	03/03/15 14:00	03/04/15 14:13	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	391	99.4	1	03/03/15 14:00	03/04/15 14:13	111-44-4	
2-Chloronaphthalene	ND	ug/kg	391	76.9	1	03/03/15 14:00	03/04/15 14:13	91-58-7	
2-Chlorophenol	ND	ug/kg	391	107	1	03/03/15 14:00	03/04/15 14:13	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	391	80.5	1	03/03/15 14:00	03/04/15 14:13	7005-72-3	
Dibenzofuran	ND	ug/kg	391	63.9	1	03/03/15 14:00	03/04/15 14:13	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	1950	85.2	1	03/03/15 14:00	03/04/15 14:13	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	391	85.2	1	03/03/15 14:00	03/04/15 14:13	120-83-2	
Diethylphthalate	ND	ug/kg	391	60.4	1	03/03/15 14:00	03/04/15 14:13	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	391	154	1	03/03/15 14:00	03/04/15 14:13	105-67-9	
Dimethylphthalate	ND	ug/kg	391	79.3	1	03/03/15 14:00	03/04/15 14:13	131-11-3	
Di-n-butylphthalate	ND	ug/kg	391	63.9	1	03/03/15 14:00	03/04/15 14:13	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	781	78.1	1	03/03/15 14:00	03/04/15 14:13	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1950	63.9	1	03/03/15 14:00	03/04/15 14:13	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	391	73.4	1	03/03/15 14:00	03/04/15 14:13	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	391	81.7	1	03/03/15 14:00	03/04/15 14:13	606-20-2	
Di-n-octylphthalate	ND	ug/kg	391	81.7	1	03/03/15 14:00	03/04/15 14:13	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	391	107	1	03/03/15 14:00	03/04/15 14:13	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	391	67.5	1	03/03/15 14:00	03/04/15 14:13	87-68-3	
Hexachlorobenzene	ND	ug/kg	391	49.7	1	03/03/15 14:00	03/04/15 14:13	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	391	72.2	1	03/03/15 14:00	03/04/15 14:13	77-47-4	
Hexachloroethane	ND	ug/kg	391	103	1	03/03/15 14:00	03/04/15 14:13	67-72-1	
Isophorone	ND	ug/kg	391	87.6	1	03/03/15 14:00	03/04/15 14:13	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	391	118	1	03/03/15 14:00	03/04/15 14:13	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	391	154	1	03/03/15 14:00	03/04/15 14:13		
2-Nitroaniline	ND	ug/kg	1950	121	1	03/03/15 14:00	03/04/15 14:13	88-74-4	
3-Nitroaniline	ND	ug/kg	1950	107	1	03/03/15 14:00	03/04/15 14:13	99-09-2	
4-Nitroaniline	ND	ug/kg	781	110	1	03/03/15 14:00	03/04/15 14:13	100-01-6	
Nitrobenzene	ND	ug/kg	391	107	1	03/03/15 14:00	03/04/15 14:13	98-95-3	
2-Nitrophenol	ND	ug/kg	391	94.7	1	03/03/15 14:00	03/04/15 14:13	88-75-5	
4-Nitrophenol	ND	ug/kg	1950	69.8	1	03/03/15 14:00	03/04/15 14:13	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	391	74.6	1	03/03/15 14:00	03/04/15 14:13	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	391	116	1	03/03/15 14:00	03/04/15 14:13	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	391	104	1	03/03/15 14:00	03/04/15 14:13	108-60-1	
Pentachlorophenol	ND	ug/kg	1950	71.0	1	03/03/15 14:00	03/04/15 14:13	87-86-5	
Phenol	ND	ug/kg	391	117	1	03/03/15 14:00	03/04/15 14:13	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	391	142	1	03/03/15 14:00	03/04/15 14:13	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	391	154	1	03/03/15 14:00	03/04/15 14:13	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	391	121	1	03/03/15 14:00	03/04/15 14:13	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	391	86.4	1	03/03/15 14:00	03/04/15 14:13	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	67	%	30-110		1	03/03/15 14:00	03/04/15 14:13	321-60-8	

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ANALYTICAL RESULTS

Project: GREGG PLANT
Pace Project No.: 92239063

Sample: CS-SB-01 Lab ID: 92239063005 Collected: 02/26/15 11:35 Received: 02/27/15 11:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Surrogates									
Terphenyl-d14 (S)	74	%	28-110		1	03/03/15 14:00	03/04/15 14:13	1718-51-0	
Phenol-d6 (S)	54	%	22-110		1	03/03/15 14:00	03/04/15 14:13	13127-88-3	
2-Fluorophenol (S)	52	%	13-110		1	03/03/15 14:00	03/04/15 14:13	367-12-4	
2,4,6-Tribromophenol (S)	66	%	27-110		1	03/03/15 14:00	03/04/15 14:13	118-79-6	
Nitrobenzene-d5 (S)	62	%	23-110		1	03/03/15 14:00	03/04/15 14:13	4165-60-0	
8270 MSSV MW PAH by SIM		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	11.8	1.8	1	03/04/15 11:00	03/06/15 21:22	83-32-9	
Acenaphthylene	ND	ug/kg	11.8	1.5	1	03/04/15 11:00	03/06/15 21:22	208-96-8	
Anthracene	ND	ug/kg	11.8	1.7	1	03/04/15 11:00	03/06/15 21:22	120-12-7	
Benzo(a)anthracene	ND	ug/kg	11.8	0.84	1	03/04/15 11:00	03/06/15 21:22	56-55-3	
Benzo(a)pyrene	ND	ug/kg	11.8	1.3	1	03/04/15 11:00	03/06/15 21:22	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	11.8	0.79	1	03/04/15 11:00	03/06/15 21:22	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	11.8	3.1	1	03/04/15 11:00	03/06/15 21:22	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	11.8	1.8	1	03/04/15 11:00	03/06/15 21:22	207-08-9	
Chrysene	ND	ug/kg	11.8	2.1	1	03/04/15 11:00	03/06/15 21:22	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	11.8	2.1	1	03/04/15 11:00	03/06/15 21:22	53-70-3	
Fluoranthene	ND	ug/kg	11.8	0.98	1	03/04/15 11:00	03/06/15 21:22	206-44-0	
Fluorene	ND	ug/kg	11.8	1.9	1	03/04/15 11:00	03/06/15 21:22	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	11.8	3.3	1	03/04/15 11:00	03/06/15 21:22	193-39-5	
1-Methylnaphthalene	ND	ug/kg	11.8	1.4	1	03/04/15 11:00	03/06/15 21:22	90-12-0	
2-Methylnaphthalene	ND	ug/kg	11.8	1.3	1	03/04/15 11:00	03/06/15 21:22	91-57-6	
Naphthalene	ND	ug/kg	11.8	2.7	1	03/04/15 11:00	03/06/15 21:22	91-20-3	
Phenanthrene	ND	ug/kg	11.8	1.8	1	03/04/15 11:00	03/06/15 21:22	85-01-8	
Pyrene	ND	ug/kg	11.8	2.1	1	03/04/15 11:00	03/06/15 21:22	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	60	%	10-128		1	03/04/15 11:00	03/06/15 21:22	4165-60-0	
2-Fluorobiphenyl (S)	46	%	10-110		1	03/04/15 11:00	03/06/15 21:22	321-60-8	
Terphenyl-d14 (S)	31	%	39-119		1	03/04/15 11:00	03/06/15 21:22	1718-51-0	S0
8260/5035A SC Volatile Org		Analytical Method: EPA 8260							
Acetone	ND	ug/kg	111	11.1	1		03/02/15 16:10	67-64-1	
Benzene	ND	ug/kg	5.5	1.8	1		03/02/15 16:10	71-43-2	
Bromochloromethane	ND	ug/kg	5.5	1.9	1		03/02/15 16:10	74-97-5	
Bromodichloromethane	ND	ug/kg	5.5	2.1	1		03/02/15 16:10	75-27-4	
Bromoform	ND	ug/kg	5.5	2.5	1		03/02/15 16:10	75-25-2	
Bromomethane	ND	ug/kg	11.1	2.8	1		03/02/15 16:10	74-83-9	
2-Butanone (MEK)	ND	ug/kg	111	3.2	1		03/02/15 16:10	78-93-3	
Carbon disulfide	ND	ug/kg	11.1	3.3	1		03/02/15 16:10	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.5	2.9	1		03/02/15 16:10	56-23-5	
Chlorobenzene	ND	ug/kg	5.5	2.1	1		03/02/15 16:10	108-90-7	
Chloroethane	ND	ug/kg	11.1	2.7	1		03/02/15 16:10	75-00-3	L3
Chloroform	ND	ug/kg	5.5	1.8	1		03/02/15 16:10	67-66-3	
Chloromethane	ND	ug/kg	11.1	2.7	1		03/02/15 16:10	74-87-3	

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ANALYTICAL RESULTS

Project: GREGG PLANT
Pace Project No.: 92239063

Sample: CS-SB-01 Lab ID: 92239063005 Collected: 02/26/15 11:35 Received: 02/27/15 11:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report	MDL	DF	Prepared	Analyzed	CAS No.	Qual
			Limit						
8260/5035A SC Volatile Org Analytical Method: EPA 8260									
Cyclohexane	ND	ug/kg	5.5	1.8	1		03/02/15 16:10	110-82-7	L3
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.5	4.0	1		03/02/15 16:10	96-12-8	
Dibromochloromethane	ND	ug/kg	5.5	2.0	1		03/02/15 16:10	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.5	2.0	1		03/02/15 16:10	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.5	2.1	1		03/02/15 16:10	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.5	2.2	1		03/02/15 16:10	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.5	1.9	1		03/02/15 16:10	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	11.1	4.0	1		03/02/15 16:10	75-71-8	L3
1,1-Dichloroethane	ND	ug/kg	5.5	1.7	1		03/02/15 16:10	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.5	2.4	1		03/02/15 16:10	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.5	2.0	1		03/02/15 16:10	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.5	1.6	1		03/02/15 16:10	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.5	2.1	1		03/02/15 16:10	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.5	1.9	1		03/02/15 16:10	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.5	2.0	1		03/02/15 16:10	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.5	1.7	1		03/02/15 16:10	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	166	133	1		03/02/15 16:10	123-91-1	
Ethylbenzene	ND	ug/kg	5.5	2.0	1		03/02/15 16:10	100-41-4	
2-Hexanone	ND	ug/kg	55.4	4.3	1		03/02/15 16:10	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.5	2.1	1		03/02/15 16:10	98-82-8	
Methyl acetate	ND	ug/kg	11.1	1.6	1		03/02/15 16:10	79-20-9	
Methylcyclohexane	ND	ug/kg	11.1	1.7	1		03/02/15 16:10	108-87-2	
Methylene Chloride	ND	ug/kg	22.2	3.3	1		03/02/15 16:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	55.4	4.1	1		03/02/15 16:10	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.5	1.7	1		03/02/15 16:10	1634-04-4	
Styrene	ND	ug/kg	5.5	2.0	1		03/02/15 16:10	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.5	2.1	1		03/02/15 16:10	79-34-5	
Tetrachloroethene	ND	ug/kg	5.5	1.9	1		03/02/15 16:10	127-18-4	
Toluene	ND	ug/kg	5.5	2.0	1		03/02/15 16:10	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.5	2.4	1		03/02/15 16:10	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.5	1.8	1		03/02/15 16:10	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.5	2.0	1		03/02/15 16:10	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.5	2.3	1		03/02/15 16:10	79-00-5	
Trichloroethene	ND	ug/kg	5.5	2.3	1		03/02/15 16:10	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.5	2.4	1		03/02/15 16:10	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.5	2.1	1		03/02/15 16:10	76-13-1	
Vinyl chloride	ND	ug/kg	11.1	2.0	1		03/02/15 16:10	75-01-4	
m&p-Xylene	ND	ug/kg	11.1	4.0	1		03/02/15 16:10	179601-23-1	
o-Xylene	ND	ug/kg	5.5	2.1	1		03/02/15 16:10	95-47-6	
Surrogates									
Toluene-d8 (S)	99	%	70-130		1		03/02/15 16:10	2037-26-5	
4-Bromofluorobenzene (S)	95	%	70-130		1		03/02/15 16:10	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130		1		03/02/15 16:10	17060-07-0	

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ANALYTICAL RESULTS

Project: GREGG PLANT
Pace Project No.: 92239063

Sample: CS-SB-01 Lab ID: 92239063005 Collected: 02/26/15 11:35 Received: 02/27/15 11:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	15.5	%	0.10	0.10	1			03/02/15 18:42	

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ANALYTICAL RESULTS

Project: GREGG PLANT
Pace Project No.: 92239063

Sample: CS-SB-02 Lab ID: 92239063006 Collected: 02/26/15 12:20 Received: 02/27/15 11:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SC	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	390	177	10	03/03/15 10:26	03/05/15 15:31	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	390	177	10	03/03/15 10:26	03/05/15 15:31	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	390	177	10	03/03/15 10:26	03/05/15 15:31	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	390	177	10	03/03/15 10:26	03/05/15 15:31	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	390	177	10	03/03/15 10:26	03/05/15 15:31	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	390	177	10	03/03/15 10:26	03/05/15 15:31	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	390	177	10	03/03/15 10:26	03/05/15 15:31	11096-82-5	
Surrogates									
Decachlorobiphenyl (S)	0	%	10-128		10	03/03/15 10:26	03/05/15 15:31	2051-24-3	D3,S4
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	1800	mg/kg	11.1	5.6	1	03/02/15 16:15	03/02/15 22:57	7429-90-5	
Antimony	ND	mg/kg	0.56	0.43	1	03/02/15 16:15	03/02/15 22:57	7440-36-0	
Arsenic	ND	mg/kg	1.1	0.56	1	03/02/15 16:15	03/02/15 22:57	7440-38-2	
Barium	6.5	mg/kg	0.56	0.28	1	03/02/15 16:15	03/02/15 22:57	7440-39-3	
Beryllium	0.067J	mg/kg	0.11	0.056	1	03/02/15 16:15	03/02/15 22:57	7440-41-7	
Cadmium	0.076J	mg/kg	0.11	0.056	1	03/02/15 16:15	03/02/15 22:57	7440-43-9	
Calcium	544	mg/kg	11.1	5.6	1	03/02/15 16:15	03/02/15 22:57	7440-70-2	
Chromium	4.2	mg/kg	0.56	0.28	1	03/02/15 16:15	03/02/15 22:57	7440-47-3	
Cobalt	ND	mg/kg	0.56	0.28	1	03/02/15 16:15	03/02/15 22:57	7440-48-4	
Copper	2.3	mg/kg	0.56	0.28	1	03/02/15 16:15	03/02/15 22:57	7440-50-8	
Iron	1490	mg/kg	11.1	5.6	1	03/02/15 16:15	03/02/15 22:57	7439-89-6	
Lead	7.6	mg/kg	0.56	0.28	1	03/02/15 16:15	03/02/15 22:57	7439-92-1	
Magnesium	35.0	mg/kg	11.1	0.28	1	03/02/15 16:15	03/02/15 22:57	7439-95-4	
Manganese	7.9	mg/kg	0.56	0.28	1	03/02/15 16:15	03/02/15 22:57	7439-96-5	
Nickel	0.55J	mg/kg	0.56	0.28	1	03/02/15 16:15	03/02/15 22:57	7440-02-0	
Potassium	ND	mg/kg	557	557	1	03/02/15 16:15	03/02/15 22:57	7440-09-7	
Selenium	ND	mg/kg	1.1	0.56	1	03/02/15 16:15	03/02/15 22:57	7782-49-2	
Silver	ND	mg/kg	0.56	0.28	1	03/02/15 16:15	03/02/15 22:57	7440-22-4	
Sodium	508J	mg/kg	557	278	1	03/02/15 16:15	03/02/15 22:57	7440-23-5	
Thallium	ND	mg/kg	1.1	0.56	1	03/02/15 16:15	03/02/15 22:57	7440-28-0	
Vanadium	4.8	mg/kg	0.56	0.28	1	03/02/15 16:15	03/02/15 22:57	7440-62-2	
Zinc	8.3	mg/kg	1.1	0.56	1	03/02/15 16:15	03/02/15 22:57	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	0.14	mg/kg	0.019	0.00038	5	03/03/15 18:00	03/04/15 13:32	7439-97-6	
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	390	201	1	03/03/15 14:00	03/04/15 14:45	98-86-2	
Atrazine	ND	ug/kg	779	153	1	03/03/15 14:00	03/04/15 14:45	1912-24-9	
Benzaldehyde	ND	ug/kg	779	390	1	03/03/15 14:00	03/04/15 14:45	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	390	123	1	03/03/15 14:00	03/04/15 14:45	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	390	70.8	1	03/03/15 14:00	03/04/15 14:45	101-55-3	
Butylbenzylphthalate	ND	ug/kg	390	82.6	1	03/03/15 14:00	03/04/15 14:45	85-68-7	
Caprolactam	ND	ug/kg	390	67.3	1	03/03/15 14:00	03/04/15 14:45	105-60-2	

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ANALYTICAL RESULTS

Project: GREGG PLANT
Pace Project No.: 92239063

Sample: CS-SB-02 Lab ID: 92239063006 Collected: 02/26/15 12:20 Received: 02/27/15 11:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report		DF	Prepared	Analyzed	CAS No.	Qual					
			Limit	MDL										
8270 MSSV Microwave														
			Analytical Method: EPA 8270 Preparation Method: EPA 3546											
Carbazole	ND	ug/kg	390	74.4	1	03/03/15 14:00	03/04/15 14:45	86-74-8						
4-Chloro-3-methylphenol	ND	ug/kg	779	80.3	1	03/03/15 14:00	03/04/15 14:45	59-50-7						
4-Chloroaniline	ND	ug/kg	1950	109	1	03/03/15 14:00	03/04/15 14:45	106-47-8						
bis(2-Chloroethoxy)methane	ND	ug/kg	390	90.9	1	03/03/15 14:00	03/04/15 14:45	111-91-1						
bis(2-Chloroethyl) ether	ND	ug/kg	390	99.1	1	03/03/15 14:00	03/04/15 14:45	111-44-4						
2-Chloronaphthalene	ND	ug/kg	390	76.7	1	03/03/15 14:00	03/04/15 14:45	91-58-7						
2-Chlorophenol	ND	ug/kg	390	106	1	03/03/15 14:00	03/04/15 14:45	95-57-8						
4-Chlorophenylphenyl ether	ND	ug/kg	390	80.3	1	03/03/15 14:00	03/04/15 14:45	7005-72-3						
Dibenzofuran	ND	ug/kg	390	63.7	1	03/03/15 14:00	03/04/15 14:45	132-64-9						
3,3'-Dichlorobenzidine	ND	ug/kg	1950	85.0	1	03/03/15 14:00	03/04/15 14:45	91-94-1						
2,4-Dichlorophenol	ND	ug/kg	390	85.0	1	03/03/15 14:00	03/04/15 14:45	120-83-2						
Diethylphthalate	ND	ug/kg	390	60.2	1	03/03/15 14:00	03/04/15 14:45	84-66-2						
2,4-Dimethylphenol	ND	ug/kg	390	153	1	03/03/15 14:00	03/04/15 14:45	105-67-9						
Dimethylphthalate	ND	ug/kg	390	79.1	1	03/03/15 14:00	03/04/15 14:45	131-11-3						
Di-n-butylphthalate	ND	ug/kg	390	63.7	1	03/03/15 14:00	03/04/15 14:45	84-74-2						
4,6-Dinitro-2-methylphenol	ND	ug/kg	779	77.9	1	03/03/15 14:00	03/04/15 14:45	534-52-1						
2,4-Dinitrophenol	ND	ug/kg	1950	63.7	1	03/03/15 14:00	03/04/15 14:45	51-28-5						
2,4-Dinitrotoluene	ND	ug/kg	390	73.2	1	03/03/15 14:00	03/04/15 14:45	121-14-2						
2,6-Dinitrotoluene	ND	ug/kg	390	81.4	1	03/03/15 14:00	03/04/15 14:45	606-20-2						
Di-n-octylphthalate	ND	ug/kg	390	81.4	1	03/03/15 14:00	03/04/15 14:45	117-84-0						
bis(2-Ethylhexyl)phthalate	ND	ug/kg	390	106	1	03/03/15 14:00	03/04/15 14:45	117-81-7						
Hexachloro-1,3-butadiene	ND	ug/kg	390	67.3	1	03/03/15 14:00	03/04/15 14:45	87-68-3						
Hexachlorobenzene	ND	ug/kg	390	49.6	1	03/03/15 14:00	03/04/15 14:45	118-74-1						
Hexachlorocyclopentadiene	ND	ug/kg	390	72.0	1	03/03/15 14:00	03/04/15 14:45	77-47-4						
Hexachloroethane	ND	ug/kg	390	103	1	03/03/15 14:00	03/04/15 14:45	67-72-1						
Isophorone	ND	ug/kg	390	87.3	1	03/03/15 14:00	03/04/15 14:45	78-59-1						
2-Methylphenol(o-Cresol)	ND	ug/kg	390	118	1	03/03/15 14:00	03/04/15 14:45	95-48-7						
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	390	153	1	03/03/15 14:00	03/04/15 14:45							
2-Nitroaniline	ND	ug/kg	1950	120	1	03/03/15 14:00	03/04/15 14:45	88-74-4						
3-Nitroaniline	ND	ug/kg	1950	106	1	03/03/15 14:00	03/04/15 14:45	99-09-2						
4-Nitroaniline	ND	ug/kg	779	110	1	03/03/15 14:00	03/04/15 14:45	100-01-6						
Nitrobenzene	ND	ug/kg	390	106	1	03/03/15 14:00	03/04/15 14:45	98-95-3						
2-Nitrophenol	ND	ug/kg	390	94.4	1	03/03/15 14:00	03/04/15 14:45	88-75-5						
4-Nitrophenol	ND	ug/kg	1950	69.6	1	03/03/15 14:00	03/04/15 14:45	100-02-7						
N-Nitroso-di-n-propylamine	ND	ug/kg	390	74.4	1	03/03/15 14:00	03/04/15 14:45	621-64-7						
N-Nitrosodiphenylamine	ND	ug/kg	390	116	1	03/03/15 14:00	03/04/15 14:45	86-30-6						
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	390	104	1	03/03/15 14:00	03/04/15 14:45	108-60-1						
Pentachlorophenol	ND	ug/kg	1950	70.8	1	03/03/15 14:00	03/04/15 14:45	87-86-5						
Phenol	ND	ug/kg	390	117	1	03/03/15 14:00	03/04/15 14:45	108-95-2						
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	390	142	1	03/03/15 14:00	03/04/15 14:45	95-94-3						
2,3,4,6-Tetrachlorophenol	ND	ug/kg	390	153	1	03/03/15 14:00	03/04/15 14:45	58-90-2						
2,4,5-Trichlorophenol	ND	ug/kg	390	120	1	03/03/15 14:00	03/04/15 14:45	95-95-4						
2,4,6-Trichlorophenol	ND	ug/kg	390	86.2	1	03/03/15 14:00	03/04/15 14:45	88-06-2						
Surrogates														
2-Fluorobiphenyl (S)	62	%	30-110		1	03/03/15 14:00	03/04/15 14:45	321-60-8						

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GREGG PLANT
Pace Project No.: 92239063

Sample: CS-SB-02 Lab ID: 92239063006 Collected: 02/26/15 12:20 Received: 02/27/15 11:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Surrogates									
Terphenyl-d14 (S)	66	%	28-110		1	03/03/15 14:00	03/04/15 14:45	1718-51-0	
Phenol-d6 (S)	50	%	22-110		1	03/03/15 14:00	03/04/15 14:45	13127-88-3	
2-Fluorophenol (S)	47	%	13-110		1	03/03/15 14:00	03/04/15 14:45	367-12-4	
2,4,6-Tribromophenol (S)	56	%	27-110		1	03/03/15 14:00	03/04/15 14:45	118-79-6	
Nitrobenzene-d5 (S)	59	%	23-110		1	03/03/15 14:00	03/04/15 14:45	4165-60-0	
8270 MSSV MW PAH by SIM		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	11.8	1.8	1	03/04/15 11:00	03/06/15 21:42	83-32-9	
Acenaphthylene	ND	ug/kg	11.8	1.5	1	03/04/15 11:00	03/06/15 21:42	208-96-8	
Anthracene	ND	ug/kg	11.8	1.7	1	03/04/15 11:00	03/06/15 21:42	120-12-7	
Benzo(a)anthracene	ND	ug/kg	11.8	0.84	1	03/04/15 11:00	03/06/15 21:42	56-55-3	
Benzo(a)pyrene	ND	ug/kg	11.8	1.3	1	03/04/15 11:00	03/06/15 21:42	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	11.8	0.79	1	03/04/15 11:00	03/06/15 21:42	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	11.8	3.1	1	03/04/15 11:00	03/06/15 21:42	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	11.8	1.8	1	03/04/15 11:00	03/06/15 21:42	207-08-9	
Chrysene	ND	ug/kg	11.8	2.1	1	03/04/15 11:00	03/06/15 21:42	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	11.8	2.1	1	03/04/15 11:00	03/06/15 21:42	53-70-3	
Fluoranthene	ND	ug/kg	11.8	0.98	1	03/04/15 11:00	03/06/15 21:42	206-44-0	
Fluorene	ND	ug/kg	11.8	1.9	1	03/04/15 11:00	03/06/15 21:42	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	11.8	3.3	1	03/04/15 11:00	03/06/15 21:42	193-39-5	
1-Methylnaphthalene	ND	ug/kg	11.8	1.4	1	03/04/15 11:00	03/06/15 21:42	90-12-0	
2-Methylnaphthalene	ND	ug/kg	11.8	1.3	1	03/04/15 11:00	03/06/15 21:42	91-57-6	
Naphthalene	ND	ug/kg	11.8	2.7	1	03/04/15 11:00	03/06/15 21:42	91-20-3	
Phenanthrene	ND	ug/kg	11.8	1.8	1	03/04/15 11:00	03/06/15 21:42	85-01-8	
Pyrene	ND	ug/kg	11.8	2.1	1	03/04/15 11:00	03/06/15 21:42	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	52	%	10-128		1	03/04/15 11:00	03/06/15 21:42	4165-60-0	
2-Fluorobiphenyl (S)	44	%	10-110		1	03/04/15 11:00	03/06/15 21:42	321-60-8	
Terphenyl-d14 (S)	41	%	39-119		1	03/04/15 11:00	03/06/15 21:42	1718-51-0	
8260/5035A SC Volatile Org		Analytical Method: EPA 8260							
Acetone	ND	ug/kg	82.0	8.2	1		03/02/15 16:30	67-64-1	
Benzene	ND	ug/kg	4.1	1.3	1		03/02/15 16:30	71-43-2	
Bromochloromethane	ND	ug/kg	4.1	1.4	1		03/02/15 16:30	74-97-5	
Bromodichloromethane	ND	ug/kg	4.1	1.6	1		03/02/15 16:30	75-27-4	
Bromoform	ND	ug/kg	4.1	1.9	1		03/02/15 16:30	75-25-2	
Bromomethane	ND	ug/kg	8.2	2.0	1		03/02/15 16:30	74-83-9	
2-Butanone (MEK)	ND	ug/kg	82.0	2.4	1		03/02/15 16:30	78-93-3	
Carbon disulfide	ND	ug/kg	8.2	2.5	1		03/02/15 16:30	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.1	2.1	1		03/02/15 16:30	56-23-5	
Chlorobenzene	ND	ug/kg	4.1	1.6	1		03/02/15 16:30	108-90-7	
Chloroethane	ND	ug/kg	8.2	2.0	1		03/02/15 16:30	75-00-3	L3
Chloroform	ND	ug/kg	4.1	1.3	1		03/02/15 16:30	67-66-3	
Chloromethane	ND	ug/kg	8.2	2.0	1		03/02/15 16:30	74-87-3	

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ANALYTICAL RESULTS

Project: GREGG PLANT
Pace Project No.: 92239063

Sample: CS-SB-02 Lab ID: 92239063006 Collected: 02/26/15 12:20 Received: 02/27/15 11:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit			Prepared	Analyzed	CAS No.	Qual
			MDL	DF					
8260/5035A SC Volatile Org	Analytical Method: EPA 8260								
Cyclohexane	ND	ug/kg	4.1	1.3	1		03/02/15 16:30	110-82-7	L3
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.1	3.0	1		03/02/15 16:30	96-12-8	
Dibromochloromethane	ND	ug/kg	4.1	1.5	1		03/02/15 16:30	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.1	1.5	1		03/02/15 16:30	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	4.1	1.6	1		03/02/15 16:30	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.1	1.6	1		03/02/15 16:30	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.1	1.4	1		03/02/15 16:30	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	8.2	3.0	1		03/02/15 16:30	75-71-8	L3
1,1-Dichloroethane	ND	ug/kg	4.1	1.2	1		03/02/15 16:30	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.1	1.8	1		03/02/15 16:30	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.1	1.5	1		03/02/15 16:30	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.1	1.1	1		03/02/15 16:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.1	1.6	1		03/02/15 16:30	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.1	1.4	1		03/02/15 16:30	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	4.1	1.5	1		03/02/15 16:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.1	1.2	1		03/02/15 16:30	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	123	98.4	1		03/02/15 16:30	123-91-1	
Ethylbenzene	ND	ug/kg	4.1	1.5	1		03/02/15 16:30	100-41-4	
2-Hexanone	ND	ug/kg	41.0	3.2	1		03/02/15 16:30	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.1	1.6	1		03/02/15 16:30	98-82-8	
Methyl acetate	ND	ug/kg	8.2	1.1	1		03/02/15 16:30	79-20-9	
Methylcyclohexane	ND	ug/kg	8.2	1.2	1		03/02/15 16:30	108-87-2	
Methylene Chloride	ND	ug/kg	16.4	2.5	1		03/02/15 16:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	41.0	3.0	1		03/02/15 16:30	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.1	1.2	1		03/02/15 16:30	1634-04-4	
Styrene	ND	ug/kg	4.1	1.5	1		03/02/15 16:30	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.1	1.6	1		03/02/15 16:30	79-34-5	
Tetrachloroethene	ND	ug/kg	4.1	1.4	1		03/02/15 16:30	127-18-4	
Toluene	ND	ug/kg	4.1	1.5	1		03/02/15 16:30	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.1	1.8	1		03/02/15 16:30	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.1	1.3	1		03/02/15 16:30	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.1	1.5	1		03/02/15 16:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.1	1.7	1		03/02/15 16:30	79-00-5	
Trichloroethene	ND	ug/kg	4.1	1.7	1		03/02/15 16:30	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.1	1.8	1		03/02/15 16:30	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	4.1	1.6	1		03/02/15 16:30	76-13-1	
Vinyl chloride	ND	ug/kg	8.2	1.5	1		03/02/15 16:30	75-01-4	
m&p-Xylene	5.6J	ug/kg	8.2	3.0	1		03/02/15 16:30	179601-23-1	
o-Xylene	ND	ug/kg	4.1	1.6	1		03/02/15 16:30	95-47-6	
Surrogates									
Toluene-d8 (S)	102	%	70-130		1		03/02/15 16:30	2037-26-5	
4-Bromofluorobenzene (S)	94	%	70-130		1		03/02/15 16:30	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		1		03/02/15 16:30	17060-07-0	

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ANALYTICAL RESULTS

Project: GREGG PLANT

Pace Project No.: 92239063

Sample: CS-SB-02 Lab ID: 92239063006 Collected: 02/26/15 12:20 Received: 02/27/15 11:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	15.3	%	0.10	0.10	1			03/02/15 18:42	

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ANALYTICAL RESULTS

Project: GREGG PLANT
Pace Project No.: 92239063

Sample: CS-SB-03 Lab ID: 92239063007 Collected: 02/26/15 13:25 Received: 02/27/15 11:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SC		Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND	ug/kg	37.4	17.0	1	03/03/15 10:26	03/07/15 00:37	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	37.4	17.0	1	03/03/15 10:26	03/07/15 00:37	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	37.4	17.0	1	03/03/15 10:26	03/07/15 00:37	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	37.4	17.0	1	03/03/15 10:26	03/07/15 00:37	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	37.4	17.0	1	03/03/15 10:26	03/07/15 00:37	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	37.4	17.0	1	03/03/15 10:26	03/07/15 00:37	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	37.4	17.0	1	03/03/15 10:26	03/07/15 00:37	11096-82-5	
Surrogates									
Decachlorobiphenyl (S)	106	%	10-128		1	03/03/15 10:26	03/07/15 00:37	2051-24-3	
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Aluminum	4410	mg/kg	8.6	4.3	1	03/02/15 16:15	03/02/15 23:00	7429-90-5	
Antimony	ND	mg/kg	0.43	0.34	1	03/02/15 16:15	03/02/15 23:00	7440-36-0	
Arsenic	0.51J	mg/kg	0.86	0.43	1	03/02/15 16:15	03/02/15 23:00	7440-38-2	
Barium	12.2	mg/kg	0.43	0.21	1	03/02/15 16:15	03/02/15 23:00	7440-39-3	
Beryllium	0.086J	mg/kg	0.086	0.043	1	03/02/15 16:15	03/02/15 23:00	7440-41-7	
Cadmium	0.047J	mg/kg	0.086	0.043	1	03/02/15 16:15	03/02/15 23:00	7440-43-9	
Calcium	535	mg/kg	8.6	4.3	1	03/02/15 16:15	03/02/15 23:00	7440-70-2	
Chromium	15.4	mg/kg	0.43	0.21	1	03/02/15 16:15	03/02/15 23:00	7440-47-3	
Cobalt	0.48	mg/kg	0.43	0.21	1	03/02/15 16:15	03/02/15 23:00	7440-48-4	
Copper	7.7	mg/kg	0.43	0.21	1	03/02/15 16:15	03/02/15 23:00	7440-50-8	
Iron	3470	mg/kg	8.6	4.3	1	03/02/15 16:15	03/02/15 23:00	7439-89-6	
Lead	2.9	mg/kg	0.43	0.21	1	03/02/15 16:15	03/02/15 23:00	7439-92-1	
Magnesium	146	mg/kg	8.6	0.21	1	03/02/15 16:15	03/02/15 23:00	7439-95-4	
Manganese	4.9	mg/kg	0.43	0.21	1	03/02/15 16:15	03/02/15 23:00	7439-96-5	
Nickel	1.4	mg/kg	0.43	0.21	1	03/02/15 16:15	03/02/15 23:00	7440-02-0	
Potassium	ND	mg/kg	430	430	1	03/02/15 16:15	03/02/15 23:00	7440-09-7	
Selenium	ND	mg/kg	0.86	0.43	1	03/02/15 16:15	03/02/15 23:00	7782-49-2	
Silver	ND	mg/kg	0.43	0.21	1	03/02/15 16:15	03/02/15 23:00	7440-22-4	
Sodium	1220	mg/kg	430	215	1	03/02/15 16:15	03/02/15 23:00	7440-23-5	
Thallium	ND	mg/kg	0.86	0.43	1	03/02/15 16:15	03/02/15 23:00	7440-28-0	
Vanadium	11.1	mg/kg	0.43	0.21	1	03/02/15 16:15	03/02/15 23:00	7440-62-2	
Zinc	4.4	mg/kg	0.86	0.43	1	03/02/15 16:15	03/02/15 23:00	7440-66-6	
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	0.031	mg/kg	0.0044	0.000087	1	03/03/15 18:00	03/04/15 13:16	7439-97-6	
8270 MSSV Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acetophenone	ND	ug/kg	374	193	1	03/03/15 14:00	03/04/15 15:18	98-86-2	
Atrazine	ND	ug/kg	749	148	1	03/03/15 14:00	03/04/15 15:18	1912-24-9	
Benzaldehyde	ND	ug/kg	749	374	1	03/03/15 14:00	03/04/15 15:18	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	374	118	1	03/03/15 14:00	03/04/15 15:18	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	374	68.1	1	03/03/15 14:00	03/04/15 15:18	101-55-3	
Butylbenzylphthalate	ND	ug/kg	374	79.4	1	03/03/15 14:00	03/04/15 15:18	85-68-7	
Caprolactam	ND	ug/kg	374	64.7	1	03/03/15 14:00	03/04/15 15:18	105-60-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GREGG PLANT
Pace Project No.: 92239063

Sample: CS-SB-03 Lab ID: 92239063007 Collected: 02/26/15 13:25 Received: 02/27/15 11:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Carbazole	ND	ug/kg	374	71.5	1	03/03/15 14:00	03/04/15 15:18	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	749	77.2	1	03/03/15 14:00	03/04/15 15:18	59-50-7	
4-Chloroaniline	ND	ug/kg	1870	104	1	03/03/15 14:00	03/04/15 15:18	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	374	87.4	1	03/03/15 14:00	03/04/15 15:18	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	374	95.3	1	03/03/15 14:00	03/04/15 15:18	111-44-4	
2-Chloronaphthalene	ND	ug/kg	374	73.8	1	03/03/15 14:00	03/04/15 15:18	91-58-7	
2-Chlorophenol	ND	ug/kg	374	102	1	03/03/15 14:00	03/04/15 15:18	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	374	77.2	1	03/03/15 14:00	03/04/15 15:18	7005-72-3	
Dibenzofuran	ND	ug/kg	374	61.3	1	03/03/15 14:00	03/04/15 15:18	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	1870	81.7	1	03/03/15 14:00	03/04/15 15:18	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	374	81.7	1	03/03/15 14:00	03/04/15 15:18	120-83-2	
Diethylphthalate	ND	ug/kg	374	57.9	1	03/03/15 14:00	03/04/15 15:18	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	374	148	1	03/03/15 14:00	03/04/15 15:18	105-67-9	
Dimethylphthalate	ND	ug/kg	374	76.0	1	03/03/15 14:00	03/04/15 15:18	131-11-3	
Di-n-butylphthalate	ND	ug/kg	374	61.3	1	03/03/15 14:00	03/04/15 15:18	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	749	74.9	1	03/03/15 14:00	03/04/15 15:18	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1870	61.3	1	03/03/15 14:00	03/04/15 15:18	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	374	70.4	1	03/03/15 14:00	03/04/15 15:18	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	374	78.3	1	03/03/15 14:00	03/04/15 15:18	606-20-2	
Di-n-octylphthalate	ND	ug/kg	374	78.3	1	03/03/15 14:00	03/04/15 15:18	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	374	102	1	03/03/15 14:00	03/04/15 15:18	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	374	64.7	1	03/03/15 14:00	03/04/15 15:18	87-68-3	
Hexachlorobenzene	ND	ug/kg	374	47.7	1	03/03/15 14:00	03/04/15 15:18	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	374	69.2	1	03/03/15 14:00	03/04/15 15:18	77-47-4	
Hexachloroethane	ND	ug/kg	374	98.7	1	03/03/15 14:00	03/04/15 15:18	67-72-1	
Isophorone	ND	ug/kg	374	84.0	1	03/03/15 14:00	03/04/15 15:18	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	374	113	1	03/03/15 14:00	03/04/15 15:18	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	374	148	1	03/03/15 14:00	03/04/15 15:18		
2-Nitroaniline	ND	ug/kg	1870	116	1	03/03/15 14:00	03/04/15 15:18	88-74-4	
3-Nitroaniline	ND	ug/kg	1870	102	1	03/03/15 14:00	03/04/15 15:18	99-09-2	
4-Nitroaniline	ND	ug/kg	749	106	1	03/03/15 14:00	03/04/15 15:18	100-01-6	
Nitrobenzene	ND	ug/kg	374	102	1	03/03/15 14:00	03/04/15 15:18	98-95-3	
2-Nitrophenol	ND	ug/kg	374	90.8	1	03/03/15 14:00	03/04/15 15:18	88-75-5	
4-Nitrophenol	ND	ug/kg	1870	67.0	1	03/03/15 14:00	03/04/15 15:18	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	374	71.5	1	03/03/15 14:00	03/04/15 15:18	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	374	111	1	03/03/15 14:00	03/04/15 15:18	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	374	99.9	1	03/03/15 14:00	03/04/15 15:18	108-60-1	
Pentachlorophenol	ND	ug/kg	1870	68.1	1	03/03/15 14:00	03/04/15 15:18	87-86-5	
Phenol	ND	ug/kg	374	112	1	03/03/15 14:00	03/04/15 15:18	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	374	136	1	03/03/15 14:00	03/04/15 15:18	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	374	148	1	03/03/15 14:00	03/04/15 15:18	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	374	116	1	03/03/15 14:00	03/04/15 15:18	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	374	82.8	1	03/03/15 14:00	03/04/15 15:18	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	45	%	30-110		1	03/03/15 14:00	03/04/15 15:18	321-60-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GREGG PLANT
Pace Project No.: 92239063

Sample: CS-SB-03 Lab ID: 92239063007 Collected: 02/26/15 13:25 Received: 02/27/15 11:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Surrogates									
Terphenyl-d14 (S)	68	%	28-110		1	03/03/15 14:00	03/04/15 15:18	1718-51-0	
Phenol-d6 (S)	37	%	22-110		1	03/03/15 14:00	03/04/15 15:18	13127-88-3	
2-Fluorophenol (S)	17	%	13-110		1	03/03/15 14:00	03/04/15 15:18	367-12-4	
2,4,6-Tribromophenol (S)	17	%	27-110		1	03/03/15 14:00	03/04/15 15:18	118-79-6	S0
Nitrobenzene-d5 (S)	49	%	23-110		1	03/03/15 14:00	03/04/15 15:18	4165-60-0	
8270 MSSV MW PAH by SIM		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	11.3	1.7	1	03/04/15 11:00	03/06/15 22:02	83-32-9	
Acenaphthylene	ND	ug/kg	11.3	1.5	1	03/04/15 11:00	03/06/15 22:02	208-96-8	
Anthracene	ND	ug/kg	11.3	1.6	1	03/04/15 11:00	03/06/15 22:02	120-12-7	
Benzo(a)anthracene	ND	ug/kg	11.3	0.81	1	03/04/15 11:00	03/06/15 22:02	56-55-3	
Benzo(a)pyrene	ND	ug/kg	11.3	1.2	1	03/04/15 11:00	03/06/15 22:02	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	11.3	0.76	1	03/04/15 11:00	03/06/15 22:02	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	11.3	3.0	1	03/04/15 11:00	03/06/15 22:02	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	11.3	1.7	1	03/04/15 11:00	03/06/15 22:02	207-08-9	
Chrysene	ND	ug/kg	11.3	2.0	1	03/04/15 11:00	03/06/15 22:02	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	11.3	2.0	1	03/04/15 11:00	03/06/15 22:02	53-70-3	
Fluoranthene	ND	ug/kg	11.3	0.94	1	03/04/15 11:00	03/06/15 22:02	206-44-0	
Fluorene	ND	ug/kg	11.3	1.8	1	03/04/15 11:00	03/06/15 22:02	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	11.3	3.2	1	03/04/15 11:00	03/06/15 22:02	193-39-5	
1-Methylnaphthalene	ND	ug/kg	11.3	1.4	1	03/04/15 11:00	03/06/15 22:02	90-12-0	
2-Methylnaphthalene	ND	ug/kg	11.3	1.2	1	03/04/15 11:00	03/06/15 22:02	91-57-6	
Naphthalene	ND	ug/kg	11.3	2.6	1	03/04/15 11:00	03/06/15 22:02	91-20-3	
Phenanthrene	ND	ug/kg	11.3	1.7	1	03/04/15 11:00	03/06/15 22:02	85-01-8	
Pyrene	ND	ug/kg	11.3	2.0	1	03/04/15 11:00	03/06/15 22:02	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	66	%	10-128		1	03/04/15 11:00	03/06/15 22:02	4165-60-0	
2-Fluorobiphenyl (S)	55	%	10-110		1	03/04/15 11:00	03/06/15 22:02	321-60-8	
Terphenyl-d14 (S)	53	%	39-119		1	03/04/15 11:00	03/06/15 22:02	1718-51-0	
8260/5035A SC Volatile Org		Analytical Method: EPA 8260							
Acetone	12.2J	ug/kg	77.6	7.8	1		03/02/15 16:50	67-64-1	
Benzene	ND	ug/kg	3.9	1.2	1		03/02/15 16:50	71-43-2	
Bromochloromethane	ND	ug/kg	3.9	1.3	1		03/02/15 16:50	74-97-5	
Bromodichloromethane	ND	ug/kg	3.9	1.5	1		03/02/15 16:50	75-27-4	
Bromoform	ND	ug/kg	3.9	1.8	1		03/02/15 16:50	75-25-2	
Bromomethane	ND	ug/kg	7.8	1.9	1		03/02/15 16:50	74-83-9	
2-Butanone (MEK)	ND	ug/kg	77.6	2.3	1		03/02/15 16:50	78-93-3	
Carbon disulfide	ND	ug/kg	7.8	2.3	1		03/02/15 16:50	75-15-0	
Carbon tetrachloride	ND	ug/kg	3.9	2.0	1		03/02/15 16:50	56-23-5	
Chlorobenzene	ND	ug/kg	3.9	1.5	1		03/02/15 16:50	108-90-7	
Chloroethane	ND	ug/kg	7.8	1.9	1		03/02/15 16:50	75-00-3	L3
Chloroform	ND	ug/kg	3.9	1.2	1		03/02/15 16:50	67-66-3	
Chloromethane	ND	ug/kg	7.8	1.9	1		03/02/15 16:50	74-87-3	

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ANALYTICAL RESULTS

Project: GREGG PLANT
Pace Project No.: 92239063

Sample: CS-SB-03 Lab ID: 92239063007 Collected: 02/26/15 13:25 Received: 02/27/15 11:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit			Prepared	Analyzed	CAS No.	Qual
			MDL	DF					
8260/5035A SC Volatile Org	Analytical Method: EPA 8260								
Cyclohexane	ND	ug/kg	3.9	1.2	1		03/02/15 16:50	110-82-7	L3
1,2-Dibromo-3-chloropropane	ND	ug/kg	3.9	2.8	1		03/02/15 16:50	96-12-8	
Dibromochloromethane	ND	ug/kg	3.9	1.4	1		03/02/15 16:50	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3.9	1.4	1		03/02/15 16:50	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	3.9	1.5	1		03/02/15 16:50	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	3.9	1.6	1		03/02/15 16:50	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3.9	1.3	1		03/02/15 16:50	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	7.8	2.8	1		03/02/15 16:50	75-71-8	L3
1,1-Dichloroethane	ND	ug/kg	3.9	1.2	1		03/02/15 16:50	75-34-3	
1,2-Dichloroethane	ND	ug/kg	3.9	1.7	1		03/02/15 16:50	107-06-2	
1,1-Dichloroethene	ND	ug/kg	3.9	1.4	1		03/02/15 16:50	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	3.9	1.1	1		03/02/15 16:50	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	3.9	1.5	1		03/02/15 16:50	156-60-5	
1,2-Dichloropropane	ND	ug/kg	3.9	1.3	1		03/02/15 16:50	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	3.9	1.4	1		03/02/15 16:50	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	3.9	1.2	1		03/02/15 16:50	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	116	93.1	1		03/02/15 16:50	123-91-1	
Ethylbenzene	ND	ug/kg	3.9	1.4	1		03/02/15 16:50	100-41-4	
2-Hexanone	ND	ug/kg	38.8	3.0	1		03/02/15 16:50	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	3.9	1.5	1		03/02/15 16:50	98-82-8	
Methyl acetate	ND	ug/kg	7.8	1.1	1		03/02/15 16:50	79-20-9	
Methylcyclohexane	ND	ug/kg	7.8	1.2	1		03/02/15 16:50	108-87-2	
Methylene Chloride	ND	ug/kg	15.5	2.3	1		03/02/15 16:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	38.8	2.9	1		03/02/15 16:50	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	3.9	1.2	1		03/02/15 16:50	1634-04-4	
Styrene	ND	ug/kg	3.9	1.4	1		03/02/15 16:50	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.9	1.5	1		03/02/15 16:50	79-34-5	
Tetrachloroethene	ND	ug/kg	3.9	1.3	1		03/02/15 16:50	127-18-4	
Toluene	ND	ug/kg	3.9	1.4	1		03/02/15 16:50	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	3.9	1.7	1		03/02/15 16:50	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	3.9	1.2	1		03/02/15 16:50	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.9	1.4	1		03/02/15 16:50	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.9	1.6	1		03/02/15 16:50	79-00-5	
Trichloroethene	ND	ug/kg	3.9	1.6	1		03/02/15 16:50	79-01-6	
Trichlorofluoromethane	ND	ug/kg	3.9	1.7	1		03/02/15 16:50	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	3.9	1.5	1		03/02/15 16:50	76-13-1	
Vinyl chloride	ND	ug/kg	7.8	1.4	1		03/02/15 16:50	75-01-4	
m&p-Xylene	ND	ug/kg	7.8	2.8	1		03/02/15 16:50	179601-23-1	
o-Xylene	ND	ug/kg	3.9	1.5	1		03/02/15 16:50	95-47-6	
Surrogates									
Toluene-d8 (S)	99	%	70-130		1		03/02/15 16:50	2037-26-5	
4-Bromofluorobenzene (S)	96	%	70-130		1		03/02/15 16:50	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70-130		1		03/02/15 16:50	17060-07-0	

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ANALYTICAL RESULTS

Project: GREGG PLANT
Pace Project No.: 92239063

Sample: CS-SB-03 Lab ID: 92239063007 Collected: 02/26/15 13:25 Received: 02/27/15 11:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
Percent Moisture								Analytical Method: ASTM D2974-87	
Percent Moisture	11.9	%	0.10	0.10	1			03/02/15 18:42	

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ANALYTICAL RESULTS

Project: GREGG PLANT
Pace Project No.: 92239063

Sample: CS-SB-04 Lab ID: 92239063008 Collected: 02/26/15 12:20 Received: 02/27/15 11:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SC		Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND	ug/kg	39.0	17.7	1	03/03/15 10:26	03/06/15 23:56	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	39.0	17.7	1	03/03/15 10:26	03/06/15 23:56	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	39.0	17.7	1	03/03/15 10:26	03/06/15 23:56	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	39.0	17.7	1	03/03/15 10:26	03/06/15 23:56	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	39.0	17.7	1	03/03/15 10:26	03/06/15 23:56	12672-29-6	
PCB-1254 (Aroclor 1254)	145	ug/kg	39.0	17.7	1	03/03/15 10:26	03/06/15 23:56	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	39.0	17.7	1	03/03/15 10:26	03/06/15 23:56	11096-82-5	
Surrogates									
Decachlorobiphenyl (S)	94	%	10-128		1	03/03/15 10:26	03/06/15 23:56	2051-24-3	
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Aluminum	2640	mg/kg	11.4	5.7	1	03/02/15 16:15	03/02/15 23:12	7429-90-5	
Antimony	ND	mg/kg	0.57	0.44	1	03/02/15 16:15	03/02/15 23:12	7440-36-0	
Arsenic	0.60J	mg/kg	1.1	0.57	1	03/02/15 16:15	03/02/15 23:12	7440-38-2	
Barium	11.1	mg/kg	0.57	0.28	1	03/02/15 16:15	03/02/15 23:12	7440-39-3	
Beryllium	0.11J	mg/kg	0.11	0.057	1	03/02/15 16:15	03/02/15 23:12	7440-41-7	
Cadmium	0.11J	mg/kg	0.11	0.057	1	03/02/15 16:15	03/02/15 23:12	7440-43-9	
Calcium	802	mg/kg	11.4	5.7	1	03/02/15 16:15	03/02/15 23:12	7440-70-2	
Chromium	6.0	mg/kg	0.57	0.28	1	03/02/15 16:15	03/02/15 23:12	7440-47-3	
Cobalt	ND	mg/kg	0.57	0.28	1	03/02/15 16:15	03/02/15 23:12	7440-48-4	
Copper	4.3	mg/kg	0.57	0.28	1	03/02/15 16:15	03/02/15 23:12	7440-50-8	
Iron	2290	mg/kg	11.4	5.7	1	03/02/15 16:15	03/02/15 23:12	7439-89-6	
Lead	12.5	mg/kg	0.57	0.28	1	03/02/15 16:15	03/02/15 23:12	7439-92-1	
Magnesium	53.9	mg/kg	11.4	0.28	1	03/02/15 16:15	03/02/15 23:12	7439-95-4	
Manganese	11.5	mg/kg	0.57	0.28	1	03/02/15 16:15	03/02/15 23:12	7439-96-5	
Nickel	0.76	mg/kg	0.57	0.28	1	03/02/15 16:15	03/02/15 23:12	7440-02-0	
Potassium	ND	mg/kg	569	569	1	03/02/15 16:15	03/02/15 23:12	7440-09-7	
Selenium	ND	mg/kg	1.1	0.57	1	03/02/15 16:15	03/02/15 23:12	7782-49-2	
Silver	ND	mg/kg	0.57	0.28	1	03/02/15 16:15	03/02/15 23:12	7440-22-4	
Sodium	1070	mg/kg	569	284	1	03/02/15 16:15	03/02/15 23:12	7440-23-5	
Thallium	ND	mg/kg	1.1	0.57	1	03/02/15 16:15	03/02/15 23:12	7440-28-0	
Vanadium	8.1	mg/kg	0.57	0.28	1	03/02/15 16:15	03/02/15 23:12	7440-62-2	
Zinc	14.1	mg/kg	1.1	0.57	1	03/02/15 16:15	03/02/15 23:12	7440-66-6	
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	0.24	mg/kg	0.042	0.00084	10	03/03/15 18:00	03/04/15 13:35	7439-97-6	
8270 MSSV Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acetophenone	ND	ug/kg	390	201	1	03/03/15 14:00	03/04/15 15:51	98-86-2	
Atrazine	ND	ug/kg	781	154	1	03/03/15 14:00	03/04/15 15:51	1912-24-9	
Benzaldehyde	ND	ug/kg	781	390	1	03/03/15 14:00	03/04/15 15:51	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	390	123	1	03/03/15 14:00	03/04/15 15:51	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	390	71.0	1	03/03/15 14:00	03/04/15 15:51	101-55-3	
Butylbenzylphthalate	ND	ug/kg	390	82.8	1	03/03/15 14:00	03/04/15 15:51	85-68-7	
Caprolactam	ND	ug/kg	390	67.4	1	03/03/15 14:00	03/04/15 15:51	105-60-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GREGG PLANT

Pace Project No.: 92239063

Sample: CS-SB-04 Lab ID: 92239063008 Collected: 02/26/15 12:20 Received: 02/27/15 11:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report		DF	Prepared	Analyzed	CAS No.	Qual					
			Limit	MDL										
8270 MSSV Microwave														
			Analytical Method: EPA 8270 Preparation Method: EPA 3546											
Carbazole	ND	ug/kg	390	74.5	1	03/03/15 14:00	03/04/15 15:51	86-74-8						
4-Chloro-3-methylphenol	ND	ug/kg	781	80.4	1	03/03/15 14:00	03/04/15 15:51	59-50-7						
4-Chloroaniline	ND	ug/kg	1950	109	1	03/03/15 14:00	03/04/15 15:51	106-47-8						
bis(2-Chloroethoxy)methane	ND	ug/kg	390	91.1	1	03/03/15 14:00	03/04/15 15:51	111-91-1						
bis(2-Chloroethyl) ether	ND	ug/kg	390	99.4	1	03/03/15 14:00	03/04/15 15:51	111-44-4						
2-Chloronaphthalene	ND	ug/kg	390	76.9	1	03/03/15 14:00	03/04/15 15:51	91-58-7						
2-Chlorophenol	ND	ug/kg	390	106	1	03/03/15 14:00	03/04/15 15:51	95-57-8						
4-Chlorophenylphenyl ether	ND	ug/kg	390	80.4	1	03/03/15 14:00	03/04/15 15:51	7005-72-3						
Dibenzofuran	ND	ug/kg	390	63.9	1	03/03/15 14:00	03/04/15 15:51	132-64-9						
3,3'-Dichlorobenzidine	ND	ug/kg	1950	85.2	1	03/03/15 14:00	03/04/15 15:51	91-94-1						
2,4-Dichlorophenol	ND	ug/kg	390	85.2	1	03/03/15 14:00	03/04/15 15:51	120-83-2						
Diethylphthalate	ND	ug/kg	390	60.3	1	03/03/15 14:00	03/04/15 15:51	84-66-2						
2,4-Dimethylphenol	ND	ug/kg	390	154	1	03/03/15 14:00	03/04/15 15:51	105-67-9						
Dimethylphthalate	ND	ug/kg	390	79.3	1	03/03/15 14:00	03/04/15 15:51	131-11-3						
Di-n-butylphthalate	ND	ug/kg	390	63.9	1	03/03/15 14:00	03/04/15 15:51	84-74-2						
4,6-Dinitro-2-methylphenol	ND	ug/kg	781	78.1	1	03/03/15 14:00	03/04/15 15:51	534-52-1						
2,4-Dinitrophenol	ND	ug/kg	1950	63.9	1	03/03/15 14:00	03/04/15 15:51	51-28-5						
2,4-Dinitrotoluene	ND	ug/kg	390	73.3	1	03/03/15 14:00	03/04/15 15:51	121-14-2						
2,6-Dinitrotoluene	ND	ug/kg	390	81.6	1	03/03/15 14:00	03/04/15 15:51	606-20-2						
Di-n-octylphthalate	ND	ug/kg	390	81.6	1	03/03/15 14:00	03/04/15 15:51	117-84-0						
bis(2-Ethylhexyl)phthalate	ND	ug/kg	390	106	1	03/03/15 14:00	03/04/15 15:51	117-81-7						
Hexachloro-1,3-butadiene	ND	ug/kg	390	67.4	1	03/03/15 14:00	03/04/15 15:51	87-68-3						
Hexachlorobenzene	ND	ug/kg	390	49.7	1	03/03/15 14:00	03/04/15 15:51	118-74-1						
Hexachlorocyclopentadiene	ND	ug/kg	390	72.2	1	03/03/15 14:00	03/04/15 15:51	77-47-4						
Hexachloroethane	ND	ug/kg	390	103	1	03/03/15 14:00	03/04/15 15:51	67-72-1						
Isophorone	ND	ug/kg	390	87.5	1	03/03/15 14:00	03/04/15 15:51	78-59-1						
2-Methylphenol(o-Cresol)	ND	ug/kg	390	118	1	03/03/15 14:00	03/04/15 15:51	95-48-7						
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	390	154	1	03/03/15 14:00	03/04/15 15:51							
2-Nitroaniline	ND	ug/kg	1950	121	1	03/03/15 14:00	03/04/15 15:51	88-74-4						
3-Nitroaniline	ND	ug/kg	1950	106	1	03/03/15 14:00	03/04/15 15:51	99-09-2						
4-Nitroaniline	ND	ug/kg	781	110	1	03/03/15 14:00	03/04/15 15:51	100-01-6						
Nitrobenzene	ND	ug/kg	390	106	1	03/03/15 14:00	03/04/15 15:51	98-95-3						
2-Nitrophenol	ND	ug/kg	390	94.6	1	03/03/15 14:00	03/04/15 15:51	88-75-5						
4-Nitrophenol	ND	ug/kg	1950	69.8	1	03/03/15 14:00	03/04/15 15:51	100-02-7						
N-Nitroso-di-n-propylamine	ND	ug/kg	390	74.5	1	03/03/15 14:00	03/04/15 15:51	621-64-7						
N-Nitrosodiphenylamine	ND	ug/kg	390	116	1	03/03/15 14:00	03/04/15 15:51	86-30-6						
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	390	104	1	03/03/15 14:00	03/04/15 15:51	108-60-1						
Pentachlorophenol	ND	ug/kg	1950	71.0	1	03/03/15 14:00	03/04/15 15:51	87-86-5						
Phenol	ND	ug/kg	390	117	1	03/03/15 14:00	03/04/15 15:51	108-95-2						
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	390	142	1	03/03/15 14:00	03/04/15 15:51	95-94-3						
2,3,4,6-Tetrachlorophenol	ND	ug/kg	390	154	1	03/03/15 14:00	03/04/15 15:51	58-90-2						
2,4,5-Trichlorophenol	ND	ug/kg	390	121	1	03/03/15 14:00	03/04/15 15:51	95-95-4						
2,4,6-Trichlorophenol	ND	ug/kg	390	86.4	1	03/03/15 14:00	03/04/15 15:51	88-06-2						
Surrogates														
2-Fluorobiphenyl (S)	28	%	30-110		1	03/03/15 14:00	03/04/15 15:51	321-60-8	S0					

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GREGG PLANT
Pace Project No.: 92239063

Sample: CS-SB-04 Lab ID: 92239063008 Collected: 02/26/15 12:20 Received: 02/27/15 11:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Surrogates									
Terphenyl-d14 (S)	41	%	28-110		1	03/03/15 14:00	03/04/15 15:51	1718-51-0	
Phenol-d6 (S)	23	%	22-110		1	03/03/15 14:00	03/04/15 15:51	13127-88-3	
2-Fluorophenol (S)	23	%	13-110		1	03/03/15 14:00	03/04/15 15:51	367-12-4	
2,4,6-Tribromophenol (S)	22	%	27-110		1	03/03/15 14:00	03/04/15 15:51	118-79-6	S0
Nitrobenzene-d5 (S)	25	%	23-110		1	03/03/15 14:00	03/04/15 15:51	4165-60-0	
8270 MSSV MW PAH by SIM		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	11.8	1.8	1	03/04/15 11:00	03/06/15 22:21	83-32-9	
Acenaphthylene	ND	ug/kg	11.8	1.5	1	03/04/15 11:00	03/06/15 22:21	208-96-8	
Anthracene	ND	ug/kg	11.8	1.7	1	03/04/15 11:00	03/06/15 22:21	120-12-7	
Benzo(a)anthracene	ND	ug/kg	11.8	0.84	1	03/04/15 11:00	03/06/15 22:21	56-55-3	
Benzo(a)pyrene	ND	ug/kg	11.8	1.3	1	03/04/15 11:00	03/06/15 22:21	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	11.8	0.79	1	03/04/15 11:00	03/06/15 22:21	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	11.8	3.1	1	03/04/15 11:00	03/06/15 22:21	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	11.8	1.8	1	03/04/15 11:00	03/06/15 22:21	207-08-9	
Chrysene	ND	ug/kg	11.8	2.1	1	03/04/15 11:00	03/06/15 22:21	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	11.8	2.1	1	03/04/15 11:00	03/06/15 22:21	53-70-3	
Fluoranthene	ND	ug/kg	11.8	0.98	1	03/04/15 11:00	03/06/15 22:21	206-44-0	
Fluorene	ND	ug/kg	11.8	1.9	1	03/04/15 11:00	03/06/15 22:21	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	11.8	3.3	1	03/04/15 11:00	03/06/15 22:21	193-39-5	
1-Methylnaphthalene	ND	ug/kg	11.8	1.4	1	03/04/15 11:00	03/06/15 22:21	90-12-0	
2-Methylnaphthalene	ND	ug/kg	11.8	1.3	1	03/04/15 11:00	03/06/15 22:21	91-57-6	
Naphthalene	ND	ug/kg	11.8	2.7	1	03/04/15 11:00	03/06/15 22:21	91-20-3	
Phenanthrene	ND	ug/kg	11.8	1.8	1	03/04/15 11:00	03/06/15 22:21	85-01-8	
Pyrene	ND	ug/kg	11.8	2.1	1	03/04/15 11:00	03/06/15 22:21	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	56	%	10-128		1	03/04/15 11:00	03/06/15 22:21	4165-60-0	
2-Fluorobiphenyl (S)	50	%	10-110		1	03/04/15 11:00	03/06/15 22:21	321-60-8	
Terphenyl-d14 (S)	44	%	39-119		1	03/04/15 11:00	03/06/15 22:21	1718-51-0	
8260/5035A SC Volatile Org		Analytical Method: EPA 8260							
Acetone	ND	ug/kg	79.8	8.0	1		03/02/15 17:09	67-64-1	
Benzene	ND	ug/kg	4.0	1.3	1		03/02/15 17:09	71-43-2	
Bromochloromethane	ND	ug/kg	4.0	1.4	1		03/02/15 17:09	74-97-5	
Bromodichloromethane	ND	ug/kg	4.0	1.5	1		03/02/15 17:09	75-27-4	
Bromoform	ND	ug/kg	4.0	1.8	1		03/02/15 17:09	75-25-2	
Bromomethane	ND	ug/kg	8.0	2.0	1		03/02/15 17:09	74-83-9	
2-Butanone (MEK)	ND	ug/kg	79.8	2.3	1		03/02/15 17:09	78-93-3	
Carbon disulfide	ND	ug/kg	8.0	2.4	1		03/02/15 17:09	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.0	2.1	1		03/02/15 17:09	56-23-5	
Chlorobenzene	ND	ug/kg	4.0	1.5	1		03/02/15 17:09	108-90-7	
Chloroethane	ND	ug/kg	8.0	1.9	1		03/02/15 17:09	75-00-3	L3
Chloroform	ND	ug/kg	4.0	1.3	1		03/02/15 17:09	67-66-3	
Chloromethane	ND	ug/kg	8.0	1.9	1		03/02/15 17:09	74-87-3	

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ANALYTICAL RESULTS

Project: GREGG PLANT
Pace Project No.: 92239063

Sample: CS-SB-04 Lab ID: 92239063008 Collected: 02/26/15 12:20 Received: 02/27/15 11:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit			Prepared	Analyzed	CAS No.	Qual
			MDL	DF					
8260/5035A SC Volatile Org	Analytical Method: EPA 8260								
Cyclohexane	ND	ug/kg	4.0	1.3	1		03/02/15 17:09	110-82-7	L3
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.0	2.9	1		03/02/15 17:09	96-12-8	
Dibromochloromethane	ND	ug/kg	4.0	1.4	1		03/02/15 17:09	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.0	1.4	1		03/02/15 17:09	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	4.0	1.5	1		03/02/15 17:09	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.0	1.6	1		03/02/15 17:09	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.0	1.4	1		03/02/15 17:09	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	8.0	2.9	1		03/02/15 17:09	75-71-8	L3
1,1-Dichloroethane	ND	ug/kg	4.0	1.2	1		03/02/15 17:09	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.0	1.8	1		03/02/15 17:09	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.0	1.4	1		03/02/15 17:09	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.0	1.1	1		03/02/15 17:09	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.0	1.5	1		03/02/15 17:09	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.0	1.4	1		03/02/15 17:09	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	4.0	1.4	1		03/02/15 17:09	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.0	1.2	1		03/02/15 17:09	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	120	95.8	1		03/02/15 17:09	123-91-1	
Ethylbenzene	ND	ug/kg	4.0	1.4	1		03/02/15 17:09	100-41-4	
2-Hexanone	ND	ug/kg	39.9	3.1	1		03/02/15 17:09	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.0	1.5	1		03/02/15 17:09	98-82-8	
Methyl acetate	ND	ug/kg	8.0	1.1	1		03/02/15 17:09	79-20-9	
Methylcyclohexane	ND	ug/kg	8.0	1.2	1		03/02/15 17:09	108-87-2	
Methylene Chloride	ND	ug/kg	16.0	2.4	1		03/02/15 17:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	39.9	3.0	1		03/02/15 17:09	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.0	1.2	1		03/02/15 17:09	1634-04-4	
Styrene	ND	ug/kg	4.0	1.4	1		03/02/15 17:09	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.0	1.5	1		03/02/15 17:09	79-34-5	
Tetrachloroethene	ND	ug/kg	4.0	1.4	1		03/02/15 17:09	127-18-4	
Toluene	ND	ug/kg	4.0	1.4	1		03/02/15 17:09	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.0	1.8	1		03/02/15 17:09	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.0	1.3	1		03/02/15 17:09	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.0	1.4	1		03/02/15 17:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.0	1.7	1		03/02/15 17:09	79-00-5	
Trichloroethene	ND	ug/kg	4.0	1.7	1		03/02/15 17:09	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.0	1.8	1		03/02/15 17:09	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	4.0	1.5	1		03/02/15 17:09	76-13-1	
Vinyl chloride	ND	ug/kg	8.0	1.4	1		03/02/15 17:09	75-01-4	
m&p-Xylene	3.5J	ug/kg	8.0	2.9	1		03/02/15 17:09	179601-23-1	
o-Xylene	ND	ug/kg	4.0	1.5	1		03/02/15 17:09	95-47-6	
Surrogates									
Toluene-d8 (S)	102	%	70-130		1		03/02/15 17:09	2037-26-5	
4-Bromofluorobenzene (S)	93	%	70-130		1		03/02/15 17:09	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		1		03/02/15 17:09	17060-07-0	

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ANALYTICAL RESULTS

Project: GREGG PLANT
Pace Project No.: 92239063

Sample: CS-SB-04 Lab ID: 92239063008 Collected: 02/26/15 12:20 Received: 02/27/15 11:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
Percent Moisture								Analytical Method: ASTM D2974-87	
Percent Moisture	15.5	%	0.10	0.10	1			03/02/15 19:01	

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ANALYTICAL RESULTS

Project: GREGG PLANT
Pace Project No.: 92239063

Sample: TRIP BLANK	Lab ID: 92239063009	Collected: 02/26/15 00:00	Received: 02/27/15 11:00	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		02/28/15 15:32	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		02/28/15 15:32	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		02/28/15 15:32	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/28/15 15:32	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		02/28/15 15:32	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		02/28/15 15:32	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		02/28/15 15:32	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		02/28/15 15:32	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/28/15 15:32	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		02/28/15 15:32	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		02/28/15 15:32	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		02/28/15 15:32	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/28/15 15:32	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.36	1		02/28/15 15:32	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		02/28/15 15:32	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		02/28/15 15:32	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/28/15 15:32	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		02/28/15 15:32	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		02/28/15 15:32	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		02/28/15 15:32	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/28/15 15:32	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		02/28/15 15:32	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		02/28/15 15:32	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/28/15 15:32	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		02/28/15 15:32	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		02/28/15 15:32	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		02/28/15 15:32	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/28/15 15:32	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/28/15 15:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/28/15 15:32	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	78.4	1		02/28/15 15:32	123-91-1	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/15 15:32	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		02/28/15 15:32	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		02/28/15 15:32	98-82-8	
Methyl acetate	ND	ug/L	10.0	0.82	1		02/28/15 15:32	79-20-9	
Methylcyclohexane	ND	ug/L	10.0	1.9	1		02/28/15 15:32	108-87-2	
Methylene Chloride	ND	ug/L	2.0	0.97	1		02/28/15 15:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		02/28/15 15:32	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		02/28/15 15:32	1634-04-4	
Styrene	ND	ug/L	1.0	0.26	1		02/28/15 15:32	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		02/28/15 15:32	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/28/15 15:32	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/28/15 15:32	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		02/28/15 15:32	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		02/28/15 15:32	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/28/15 15:32	71-55-6	

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ANALYTICAL RESULTS

Project: GREGG PLANT
Pace Project No.: 92239063

Sample: TRIP BLANK		Lab ID: 92239063009		Collected:	02/26/15 00:00	Received:	02/27/15 11:00	Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260								
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/28/15 15:32	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/28/15 15:32	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/28/15 15:32	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.19	1		02/28/15 15:32	76-13-1	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/28/15 15:32	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/28/15 15:32	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		02/28/15 15:32	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		02/28/15 15:32	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		02/28/15 15:32	17060-07-0	
Toluene-d8 (S)	94	%	70-130		1		02/28/15 15:32	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: GREGG PLANT

Pace Project No.: 92239063

QC Batch:	MERP/7627	Analysis Method:	EPA 7470
QC Batch Method:	EPA 7470	Analysis Description:	7470 Mercury
Associated Lab Samples:	92239063004		

METHOD BLANK: 1400973	Matrix: Water
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Associated Lab Samples: 92239063004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	03/04/15 16:28	

LABORATORY CONTROL SAMPLE: 1400974

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.5	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1400975 1400976

Parameter	Units	MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.	MS Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
Mercury	ug/L	ND	2.5	2.5	2.5	2.5	101	102	75-125	0	25	

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QUALITY CONTROL DATA

Project: GREGG PLANT
Pace Project No.: 92239063

QC Batch:	MERP/7631	Analysis Method:	EPA 7471
QC Batch Method:	EPA 7471	Analysis Description:	7471 Mercury
Associated Lab Samples:	92239063001, 92239063002, 92239063003, 92239063005, 92239063006, 92239063007, 92239063008		

METHOD BLANK: 1401521 Matrix: Solid

Associated Lab Samples: 92239063001, 92239063002, 92239063003, 92239063005, 92239063006, 92239063007, 92239063008

Parameter	Units	Blank	Reporting	Analyzed	Qualifiers
		Result	Limit		
Mercury	mg/kg	ND	0.0050	03/04/15 12:37	

LABORATORY CONTROL SAMPLE: 1401522

Parameter	Units	Spike	LCS	LCS	% Rec	Qualifiers
		Conc.	Result	% Rec	Limits	
Mercury	mg/kg	.067	0.068	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1401523 1401524

Parameter	Units	MS	MSD	MS	MSD	MS	MSD	% Rec	% Rec	Max	RPD	RPD	Qual
		92239002001	Spike										
Mercury	mg/kg	0.017	.064	.063	0.076	0.076	93	95	75-125	1	20		

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QUALITY CONTROL DATA

Project: GREGG PLANT

Pace Project No.: 92239063

QC Batch: MPRP/17987

Analysis Method: EPA 6010

QC Batch Method: EPA 3050

Analysis Description: 6010 MET

Associated Lab Samples: 92239063001, 92239063002, 92239063003, 92239063005, 92239063006, 92239063007, 92239063008

METHOD BLANK: 1400674

Matrix: Solid

Associated Lab Samples: 92239063001, 92239063002, 92239063003, 92239063005, 92239063006, 92239063007, 92239063008

Parameter	Units	Blank	Reporting		Qualifiers
		Result	Limit	Analyzed	
Aluminum	mg/kg	ND	10.0	03/02/15 22:14	
Antimony	mg/kg	ND	0.50	03/02/15 22:14	
Arsenic	mg/kg	ND	1.0	03/02/15 22:14	
Barium	mg/kg	ND	0.50	03/02/15 22:14	
Beryllium	mg/kg	ND	0.10	03/02/15 22:14	
Cadmium	mg/kg	ND	0.10	03/02/15 22:14	
Calcium	mg/kg	ND	10.0	03/02/15 22:14	
Chromium	mg/kg	ND	0.50	03/02/15 22:14	
Cobalt	mg/kg	ND	0.50	03/02/15 22:14	
Copper	mg/kg	ND	0.50	03/02/15 22:14	
Iron	mg/kg	ND	10.0	03/02/15 22:14	
Lead	mg/kg	ND	0.50	03/02/15 22:14	
Magnesium	mg/kg	ND	10.0	03/02/15 22:14	
Manganese	mg/kg	ND	0.50	03/02/15 22:14	
Nickel	mg/kg	ND	0.50	03/02/15 22:14	
Potassium	mg/kg	ND	500	03/02/15 22:14	
Selenium	mg/kg	ND	1.0	03/02/15 22:14	
Silver	mg/kg	ND	0.50	03/02/15 22:14	
Sodium	mg/kg	ND	500	03/02/15 22:14	
Thallium	mg/kg	ND	1.0	03/02/15 22:14	
Vanadium	mg/kg	ND	0.50	03/02/15 22:14	
Zinc	mg/kg	ND	1.0	03/02/15 22:14	

LABORATORY CONTROL SAMPLE: 1400675

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	500	481	96	80-120	
Antimony	mg/kg	50	50.0	100	80-120	
Arsenic	mg/kg	50	48.0	96	80-120	
Barium	mg/kg	50	47.4	95	80-120	
Beryllium	mg/kg	50	48.0	96	80-120	
Cadmium	mg/kg	50	48.7	97	80-120	
Calcium	mg/kg	500	476	95	80-120	
Chromium	mg/kg	50	48.8	98	80-120	
Cobalt	mg/kg	50	48.5	97	80-120	
Copper	mg/kg	50	49.1	98	80-120	
Iron	mg/kg	500	485	97	80-120	
Lead	mg/kg	50	48.8	98	80-120	
Magnesium	mg/kg	500	481	96	80-120	
Manganese	mg/kg	50	47.9	96	80-120	

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QUALITY CONTROL DATA

Project: GREGG PLANT

Pace Project No.: 92239063

LABORATORY CONTROL SAMPLE: 1400675

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nickel	mg/kg	50	48.7	97	80-120	
Potassium	mg/kg	500	ND	93	80-120	
Selenium	mg/kg	50	49.7	99	80-120	
Silver	mg/kg	25	24.5	98	80-120	
Sodium	mg/kg	500	459J	92	80-120	
Thallium	mg/kg	50	49.2	98	80-120	
Vanadium	mg/kg	50	48.4	97	80-120	
Zinc	mg/kg	50	48.2	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1400676 1400677

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Max Qual
		92239002001	Spike Result	Spike Conc.	Conc.								
Aluminum	mg/kg	9370	508	534	12800	13700	678	818	75-125	7	20	M1	
Antimony	mg/kg	ND	50.8	53.4	27.6	25.9	54	48	75-125	6	20	M1	
Arsenic	mg/kg	1.1	50.8	53.4	44.1	45.1	85	83	75-125	2	20		
Barium	mg/kg	68.3	50.8	53.4	122	159	107	169	75-125	26	20	M1,R1	
Beryllium	mg/kg	0.42	50.8	53.4	43.3	47.2	84	88	75-125	9	20		
Cadmium	mg/kg	0.15	50.8	53.4	47.2	48.8	93	91	75-125	3	20		
Calcium	mg/kg	154	508	534	681	951	104	149	75-125	33	20	M1,R1	
Chromium	mg/kg	19.1	50.8	53.4	64.5	64.8	90	86	75-125	0	20		
Cobalt	mg/kg	2.3	50.8	53.4	50.5	55.6	95	100	75-125	10	20		
Copper	mg/kg	19.0	50.8	53.4	69.6	78.3	100	111	75-125	12	20		
Iron	mg/kg	21400	508	534	24600	25600	629	782	75-125	4	20	M1	
Lead	mg/kg	7.6	50.8	53.4	56.3	57.3	96	93	75-125	2	20		
Magnesium	mg/kg	1570	508	534	2460	3190	175	304	75-125	26	20	M1,R1	
Manganese	mg/kg	75.6	50.8	53.4	158	259	161	344	75-125	49	20	M1,R1	
Nickel	mg/kg	3.3	50.8	53.4	51.7	55.7	95	98	75-125	7	20		
Potassium	mg/kg	986	508	534	ND	ND	104	120	75-125		20		
Selenium	mg/kg	1.4	50.8	53.4	43.3	42.1	82	76	75-125	3	20		
Silver	mg/kg	0.39J	25.3	26.6	22.5	23.6	87	87	75-125	5	20		
Sodium	mg/kg	ND	508	534	ND	ND	86	89	75-125		20		
Thallium	mg/kg	ND	50.8	53.4	41.4	43.0	82	81	75-125	4	20		
Vanadium	mg/kg	57.4	50.8	53.4	109	117	101	111	75-125	7	20		
Zinc	mg/kg	23.4	50.8	53.4	77.7	87.6	107	120	75-125	12	20		

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QUALITY CONTROL DATA

Project: GREGG PLANT

Pace Project No.: 92239063

QC Batch:	MPRP/17991	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3010	Analysis Description:	6010 MET
Associated Lab Samples: 92239063004			

METHOD BLANK: 1401356 Matrix: Water

Associated Lab Samples: 92239063004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	ND	100	03/03/15 23:14	
Antimony	ug/L	ND	5.0	03/03/15 23:14	
Arsenic	ug/L	ND	10.0	03/03/15 23:14	
Barium	ug/L	ND	5.0	03/03/15 23:14	
Beryllium	ug/L	ND	1.0	03/03/15 23:14	
Cadmium	ug/L	ND	1.0	03/03/15 23:14	
Calcium	ug/L	ND	100	03/03/15 23:14	
Chromium	ug/L	ND	5.0	03/03/15 23:14	
Cobalt	ug/L	ND	5.0	03/03/15 23:14	
Copper	ug/L	ND	5.0	03/03/15 23:14	
Iron	ug/L	ND	50.0	03/03/15 23:14	
Lead	ug/L	ND	5.0	03/03/15 23:14	
Magnesium	ug/L	ND	100	03/03/15 23:14	
Manganese	ug/L	ND	5.0	03/03/15 23:14	
Nickel	ug/L	ND	5.0	03/03/15 23:14	
Potassium	ug/L	ND	5000	03/03/15 23:14	
Selenium	ug/L	ND	10.0	03/03/15 23:14	
Silver	ug/L	ND	5.0	03/03/15 23:14	
Sodium	ug/L	ND	5000	03/03/15 23:14	
Thallium	ug/L	ND	10.0	03/03/15 23:14	
Vanadium	ug/L	ND	5.0	03/03/15 23:14	
Zinc	ug/L	ND	10.0	03/03/15 23:14	

LABORATORY CONTROL SAMPLE: 1401357

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	5000	4760	95	80-120	
Antimony	ug/L	500	479	96	80-120	
Arsenic	ug/L	500	455	91	80-120	
Barium	ug/L	500	474	95	80-120	
Beryllium	ug/L	500	478	96	80-120	
Cadmium	ug/L	500	477	95	80-120	
Calcium	ug/L	5000	4760	95	80-120	
Chromium	ug/L	500	470	94	80-120	
Cobalt	ug/L	500	467	93	80-120	
Copper	ug/L	500	482	96	80-120	
Iron	ug/L	5000	4780	96	80-120	
Lead	ug/L	500	467	93	80-120	
Magnesium	ug/L	5000	4760	95	80-120	
Manganese	ug/L	500	463	93	80-120	

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QUALITY CONTROL DATA

Project: GREGG PLANT

Pace Project No.: 92239063

LABORATORY CONTROL SAMPLE: 1401357

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nickel	ug/L	500	476	95	80-120	
Potassium	ug/L	5000	4710J	94	80-120	
Selenium	ug/L	500	462	92	80-120	
Silver	ug/L	250	240	96	80-120	
Sodium	ug/L	5000	4710J	94	80-120	
Thallium	ug/L	500	470	94	80-120	
Vanadium	ug/L	500	471	94	80-120	
Zinc	ug/L	500	453	91	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1401358 1401359

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max	
		92239079001	Result	Spike Conc.	Spike Conc.						RPD	RPD
Aluminum	ug/L	877	5000	5000	5600	5730	95	97	75-125	2	20	
Antimony	ug/L	ND	500	500	470	488	94	98	75-125	4	20	
Arsenic	ug/L	ND	500	500	452	466	90	93	75-125	3	20	
Barium	ug/L	34.3	500	500	505	517	94	97	75-125	2	20	
Beryllium	ug/L	ND	500	500	476	488	95	98	75-125	2	20	
Cadmium	ug/L	ND	500	500	469	482	94	96	75-125	3	20	
Calcium	ug/L	7540	5000	5000	12200	12600	94	100	75-125	3	20	
Chromium	ug/L	ND	500	500	466	479	93	96	75-125	3	20	
Cobalt	ug/L	ND	500	500	459	472	92	94	75-125	3	20	
Copper	ug/L	ND	500	500	478	490	96	98	75-125	3	20	
Iron	ug/L	79.2	5000	5000	4840	4940	95	97	75-125	2	20	
Lead	ug/L	ND	500	500	460	472	92	94	75-125	3	20	
Magnesium	ug/L	1230	5000	5000	5900	6070	94	97	75-125	3	20	
Manganese	ug/L	4.4J	500	500	462	475	91	94	75-125	3	20	
Nickel	ug/L	ND	500	500	468	482	94	96	75-125	3	20	
Potassium	ug/L	ND	5000	5000	6160	6300	93	96	75-125	2	20	
Selenium	ug/L	ND	500	500	457	471	91	94	75-125	3	20	
Silver	ug/L	ND	250	250	235	242	94	97	75-125	3	20	
Sodium	ug/L	4020J	5000	5000	8660	8920	93	98	75-125	3	20	
Thallium	ug/L	ND	500	500	469	483	94	97	75-125	3	20	
Vanadium	ug/L	ND	500	500	468	481	93	96	75-125	3	20	
Zinc	ug/L	42.6	500	500	491	502	90	92	75-125	2	20	

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QUALITY CONTROL DATA

Project: GREGG PLANT

Pace Project No.: 92239063

QC Batch: MSV/30533 Analysis Method: EPA 8260

QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level SC

Associated Lab Samples: 92239063009

METHOD BLANK: 1400203 Matrix: Water

Associated Lab Samples: 92239063009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	02/28/15 14:42	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	02/28/15 14:42	
1,1,2-Trichloroethane	ug/L	ND	1.0	02/28/15 14:42	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	02/28/15 14:42	
1,1-Dichloroethane	ug/L	ND	1.0	02/28/15 14:42	
1,1-Dichloroethene	ug/L	ND	1.0	02/28/15 14:42	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	02/28/15 14:42	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	02/28/15 14:42	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	02/28/15 14:42	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	02/28/15 14:42	
1,2-Dichlorobenzene	ug/L	ND	1.0	02/28/15 14:42	
1,2-Dichloroethane	ug/L	ND	1.0	02/28/15 14:42	
1,2-Dichloropropane	ug/L	ND	1.0	02/28/15 14:42	
1,3-Dichlorobenzene	ug/L	ND	1.0	02/28/15 14:42	
1,4-Dichlorobenzene	ug/L	ND	1.0	02/28/15 14:42	
1,4-Dioxane (p-Dioxane)	ug/L	ND	150	02/28/15 14:42	
2-Butanone (MEK)	ug/L	ND	5.0	02/28/15 14:42	
2-Hexanone	ug/L	ND	5.0	02/28/15 14:42	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	02/28/15 14:42	
Acetone	ug/L	ND	25.0	02/28/15 14:42	
Benzene	ug/L	ND	1.0	02/28/15 14:42	
Bromochloromethane	ug/L	ND	1.0	02/28/15 14:42	
Bromodichloromethane	ug/L	ND	1.0	02/28/15 14:42	
Bromoform	ug/L	ND	1.0	02/28/15 14:42	
Bromomethane	ug/L	ND	5.0	02/28/15 14:42	
Carbon disulfide	ug/L	ND	2.0	02/28/15 14:42	
Carbon tetrachloride	ug/L	ND	1.0	02/28/15 14:42	
Chlorobenzene	ug/L	ND	1.0	02/28/15 14:42	
Chloroethane	ug/L	ND	1.0	02/28/15 14:42	
Chloroform	ug/L	ND	1.0	02/28/15 14:42	
Chloromethane	ug/L	ND	1.0	02/28/15 14:42	
cis-1,2-Dichloroethene	ug/L	ND	1.0	02/28/15 14:42	
cis-1,3-Dichloropropene	ug/L	ND	1.0	02/28/15 14:42	
Cyclohexane	ug/L	ND	1.0	02/28/15 14:42	
Dibromochloromethane	ug/L	ND	1.0	02/28/15 14:42	
Dibromomethane	ug/L	ND	1.0	02/28/15 14:42	
Dichlorodifluoromethane	ug/L	ND	1.0	02/28/15 14:42	
Ethylbenzene	ug/L	ND	1.0	02/28/15 14:42	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	02/28/15 14:42	
m&p-Xylene	ug/L	ND	2.0	02/28/15 14:42	
Methyl acetate	ug/L	ND	10.0	02/28/15 14:42	

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QUALITY CONTROL DATA

Project: GREGG PLANT

Pace Project No.: 92239063

METHOD BLANK: 1400203

Matrix: Water

Associated Lab Samples: 92239063009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Methyl-tert-butyl ether	ug/L	ND	1.0	02/28/15 14:42	
Methylcyclohexane	ug/L	ND	10.0	02/28/15 14:42	
Methylene Chloride	ug/L	ND	2.0	02/28/15 14:42	
o-Xylene	ug/L	ND	1.0	02/28/15 14:42	
Styrene	ug/L	ND	1.0	02/28/15 14:42	
Tetrachloroethene	ug/L	ND	1.0	02/28/15 14:42	
Toluene	ug/L	ND	1.0	02/28/15 14:42	
trans-1,2-Dichloroethene	ug/L	ND	1.0	02/28/15 14:42	
trans-1,3-Dichloropropene	ug/L	ND	1.0	02/28/15 14:42	
Trichloroethene	ug/L	ND	1.0	02/28/15 14:42	
Trichlorofluoromethane	ug/L	ND	1.0	02/28/15 14:42	
Vinyl chloride	ug/L	ND	1.0	02/28/15 14:42	
1,2-Dichloroethane-d4 (S)	%	100	70-130	02/28/15 14:42	
4-Bromofluorobenzene (S)	%	99	70-130	02/28/15 14:42	
Toluene-d8 (S)	%	94	70-130	02/28/15 14:42	

LABORATORY CONTROL SAMPLE: 1400204

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	49.0	98	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	44.5	89	70-130	
1,1,2-Trichloroethane	ug/L	50	45.4	91	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	50	46.8	94	70-130	
1,1-Dichloroethane	ug/L	50	46.6	93	70-130	
1,1-Dichloroethene	ug/L	50	46.5	93	70-130	
1,2,3-Trichlorobenzene	ug/L	50	45.7	91	70-130	
1,2,4-Trichlorobenzene	ug/L	50	45.8	92	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	47.4	95	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	48.6	97	70-130	
1,2-Dichlorobenzene	ug/L	50	47.2	94	70-130	
1,2-Dichloroethane	ug/L	50	48.5	97	70-130	
1,2-Dichloropropane	ug/L	50	45.3	91	70-130	
1,3-Dichlorobenzene	ug/L	50	46.1	92	70-130	
1,4-Dichlorobenzene	ug/L	50	46.7	93	70-130	
1,4-Dioxane (p-Dioxane)	ug/L	1000	1060	106	70-130	
2-Butanone (MEK)	ug/L	100	101	101	70-130	
2-Hexanone	ug/L	100	92.9	93	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	95.3	95	70-130	
Acetone	ug/L	100	105	105	70-130	
Benzene	ug/L	50	46.8	94	70-130	
Bromochloromethane	ug/L	50	45.6	91	70-130	
Bromodichloromethane	ug/L	50	43.3	87	70-130	
Bromoform	ug/L	50	42.3	85	70-130	
Bromomethane	ug/L	50	43.5	87	70-130	

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QUALITY CONTROL DATA

Project: GREGG PLANT

Pace Project No.: 92239063

LABORATORY CONTROL SAMPLE: 1400204

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon disulfide	ug/L	50	40.4	81	70-130	
Carbon tetrachloride	ug/L	50	49.5	99	70-130	
Chlorobenzene	ug/L	50	45.8	92	70-130	
Chloroethane	ug/L	50	39.2	78	70-130	
Chloroform	ug/L	50	43.7	87	70-130	
Chloromethane	ug/L	50	47.0	94	70-130	
cis-1,2-Dichloroethene	ug/L	50	48.0	96	70-130	
cis-1,3-Dichloropropene	ug/L	50	45.1	90	70-130	
Cyclohexane	ug/L	50	47.2	94	70-130	
Dibromochloromethane	ug/L	50	43.3	87	70-130	
Dibromomethane	ug/L	50	46.3	93	70-130	
Dichlorodifluoromethane	ug/L	50	55.3	111	70-130	
Ethylbenzene	ug/L	50	46.1	92	70-130	
Isopropylbenzene (Cumene)	ug/L	50	44.7	89	70-130	
m&p-Xylene	ug/L	100	90.9	91	70-130	
Methyl acetate	ug/L	50	54.3	109	70-130	
Methyl-tert-butyl ether	ug/L	50	39.8	80	70-130	
Methylcyclohexane	ug/L	50	43.5	87	70-130	
Methylene Chloride	ug/L	50	52.8	106	70-130	
o-Xylene	ug/L	50	44.2	88	70-130	
Styrene	ug/L	50	45.3	91	70-130	
Tetrachloroethene	ug/L	50	45.5	91	70-130	
Toluene	ug/L	50	45.9	92	70-130	
trans-1,2-Dichloroethene	ug/L	50	47.8	96	70-130	
trans-1,3-Dichloropropene	ug/L	50	45.5	91	70-130	
Trichloroethene	ug/L	50	47.4	95	70-130	
Trichlorofluoromethane	ug/L	50	60.3	121	70-130	
Vinyl chloride	ug/L	50	41.7	83	70-130	
1,2-Dichloroethane-d4 (S)	%			94	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE SAMPLE: 1400206

Parameter	Units	92239076012 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L		20	21.5	107	70-130	
1,1,2,2-Tetrachloroethane	ug/L		20	18.4	92	70-130	
1,1,2-Trichloroethane	ug/L		20	19.0	95	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L		20	21.2	106	70-130	
1,1-Dichloroethane	ug/L		20	20.3	102	70-130	
1,1-Dichloroethene	ug/L		20	20.5	103	70-130	
1,2,3-Trichlorobenzene	ug/L		20	17.9	89	70-130	
1,2,4-Trichlorobenzene	ug/L		20	18.2	91	70-130	
1,2-Dibromo-3-chloropropane	ug/L		20	18.1	90	70-130	
1,2-Dibromoethane (EDB)	ug/L		20	19.4	97	70-130	

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QUALITY CONTROL DATA

Project: GREGG PLANT
Pace Project No.: 92239063

MATRIX SPIKE SAMPLE:	1400206			MS Result	MS % Rec	% Rec Limits	Qualifiers
Parameter	Units	92239076012	Spike Conc.				
1,2-Dichlorobenzene	ug/L		20	19.6	98	70-130	
1,2-Dichloroethane	ug/L	ND	20	20.7	104	70-130	
1,2-Dichloropropane	ug/L		20	18.6	93	70-130	
1,3-Dichlorobenzene	ug/L		20	20.5	102	70-130	
1,4-Dichlorobenzene	ug/L		20	20.9	104	70-130	
1,4-Dioxane (p-Dioxane)	ug/L	400		393	98	70-130	
2-Butanone (MEK)	ug/L		40	36.1	90	70-130	
2-Hexanone	ug/L		40	36.6	92	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L		40	36.0	90	70-130	
Acetone	ug/L		40	45.5	94	70-130	
Benzene	ug/L	ND	20	20.9	105	70-130	
Bromochloromethane	ug/L		20	20.1	101	70-130	
Bromodichloromethane	ug/L		20	18.3	91	70-130	
Bromoform	ug/L		20	17.2	86	70-130	
Bromomethane	ug/L		20	15.8	79	70-130	
Carbon disulfide	ug/L		20	16.2	81	70-130	
Carbon tetrachloride	ug/L		20	23.2	116	70-130	
Chlorobenzene	ug/L		20	20.0	100	70-130	
Chloroethane	ug/L		20	16.9	84	70-130	
Chloroform	ug/L		20	18.5	92	70-130	
Chloromethane	ug/L		20	17.2	86	70-130	
cis-1,2-Dichloroethene	ug/L		20	19.4	97	70-130	
cis-1,3-Dichloropropene	ug/L		20	16.5	83	70-130	
Cyclohexane	ug/L		20	19.6	98	70-130	
Dibromochloromethane	ug/L		20	17.6	88	70-130	
Dibromomethane	ug/L		20	18.9	95	70-130	
Dichlorodifluoromethane	ug/L		20	18.6	93	70-130	
Ethylbenzene	ug/L	ND	20	20.4	102	70-130	
Isopropylbenzene (Cumene)	ug/L		20	19.8	99	70-130	
m&p-Xylene	ug/L	ND	40	41.0	103	70-130	
Methyl acetate	ug/L		20	19.4	97	70-130	
Methyl-tert-butyl ether	ug/L	ND	20	15.4	77	70-130	
Methylcyclohexane	ug/L		20	18.4	92	70-130	
Methylene Chloride	ug/L		20	22.3	111	70-130	
o-Xylene	ug/L	ND	20	18.7	93	70-130	
Styrene	ug/L		20	19.5	97	70-130	
Tetrachloroethene	ug/L		20	19.2	96	70-130	
Toluene	ug/L	ND	20	19.8	99	70-130	
trans-1,2-Dichloroethene	ug/L		20	20.4	102	70-130	
trans-1,3-Dichloropropene	ug/L		20	17.8	89	70-130	
Trichloroethene	ug/L		20	20.8	104	70-130	
Trichlorofluoromethane	ug/L		20	25.0	125	70-130	
Vinyl chloride	ug/L		20	15.3	77	70-130	
1,2-Dichloroethane-d4 (S)	%				95	70-130	
4-Bromofluorobenzene (S)	%				93	70-130	
Toluene-d8 (S)	%				94	70-130	

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QUALITY CONTROL DATA

Project: GREGG PLANT

Pace Project No.: 92239063

SAMPLE DUPLICATE: 1400205

Parameter	Units	92239076011 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L		ND		30	
1,1,2,2-Tetrachloroethane	ug/L		ND		30	
1,1,2-Trichloroethane	ug/L		ND		30	
1,1,2-Trichlorotrifluoroethane	ug/L		ND		30	
1,1-Dichloroethane	ug/L		ND		30	
1,1-Dichloroethene	ug/L		ND		30	
1,2,3-Trichlorobenzene	ug/L		ND		30	
1,2,4-Trichlorobenzene	ug/L		ND		30	
1,2-Dibromo-3-chloropropane	ug/L		ND		30	
1,2-Dibromoethane (EDB)	ug/L		ND		30	
1,2-Dichlorobenzene	ug/L		ND		30	
1,2-Dichloroethane	ug/L		ND		30	
1,2-Dichloropropane	ug/L		ND		30	
1,3-Dichlorobenzene	ug/L		ND		30	
1,4-Dichlorobenzene	ug/L		ND		30	
1,4-Dioxane (p-Dioxane)	ug/L		ND		30	
2-Butanone (MEK)	ug/L		ND		30	
2-Hexanone	ug/L		ND		30	
4-Methyl-2-pentanone (MIBK)	ug/L		ND		30	
Acetone	ug/L		ND		30	
Benzene	ug/L		ND		30	
Bromochloromethane	ug/L		ND		30	
Bromodichloromethane	ug/L		ND		30	
Bromoform	ug/L		ND		30	
Bromomethane	ug/L		ND		30	
Carbon disulfide	ug/L		ND		30	
Carbon tetrachloride	ug/L		ND		30	
Chlorobenzene	ug/L		ND		30	
Chloroethane	ug/L		ND		30	
Chloroform	ug/L		ND		30	
Chloromethane	ug/L		ND		30	
cis-1,2-Dichloroethene	ug/L		ND		30	
cis-1,3-Dichloropropene	ug/L		ND		30	
Cyclohexane	ug/L		ND		30	
Dibromochloromethane	ug/L		ND		30	
Dibromomethane	ug/L		ND		30	
Dichlorodifluoromethane	ug/L		ND		30	
Ethylbenzene	ug/L		ND		30	
Isopropylbenzene (Cumene)	ug/L		ND		30	
m&p-Xylene	ug/L		ND		30	
Methyl acetate	ug/L		ND		30	
Methyl-tert-butyl ether	ug/L		ND		30	
Methylcyclohexane	ug/L		ND		30	
Methylene Chloride	ug/L		ND		30	
o-Xylene	ug/L		ND		30	
Styrene	ug/L		ND		30	
Tetrachloroethene	ug/L		ND		30	

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QUALITY CONTROL DATA

Project: GREGG PLANT
 Pace Project No.: 92239063

SAMPLE DUPLICATE: 1400205

Parameter	Units	92239076011 Result	Dup Result	RPD	Max RPD	Qualifiers
Toluene	ug/L	ND	ND		30	
trans-1,2-Dichloroethene	ug/L		ND		30	
trans-1,3-Dichloropropene	ug/L		ND		30	
Trichloroethene	ug/L		ND		30	
Trichlorofluoromethane	ug/L		ND		30	
Vinyl chloride	ug/L		ND		30	
1,2-Dichloroethane-d4 (S)	%	103	105	1		
4-Bromofluorobenzene (S)	%	93	95	2		
Toluene-d8 (S)	%	94	95	1		

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QUALITY CONTROL DATA

Project: GREGG PLANT

Pace Project No.: 92239063

QC Batch: MSV/30543 Analysis Method: EPA 8260

QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics

Associated Lab Samples: 92239063005, 92239063006, 92239063007, 92239063008

METHOD BLANK: 1400410 Matrix: Solid

Associated Lab Samples: 92239063005, 92239063006, 92239063007, 92239063008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/kg	ND	6.9	03/02/15 12:41	
1,1,2,2-Tetrachloroethane	ug/kg	ND	6.9	03/02/15 12:41	
1,1,2-Trichloroethane	ug/kg	ND	6.9	03/02/15 12:41	
1,1,2-Trichlorotrifluoroethane	ug/kg	ND	6.9	03/02/15 12:41	
1,1-Dichloroethane	ug/kg	ND	6.9	03/02/15 12:41	
1,1-Dichloroethene	ug/kg	ND	6.9	03/02/15 12:41	
1,2,3-Trichlorobenzene	ug/kg	ND	6.9	03/02/15 12:41	
1,2,4-Trichlorobenzene	ug/kg	ND	6.9	03/02/15 12:41	
1,2-Dibromo-3-chloropropane	ug/kg	ND	6.9	03/02/15 12:41	
1,2-Dibromoethane (EDB)	ug/kg	ND	6.9	03/02/15 12:41	
1,2-Dichlorobenzene	ug/kg	ND	6.9	03/02/15 12:41	
1,2-Dichloroethane	ug/kg	ND	6.9	03/02/15 12:41	
1,2-Dichloropropane	ug/kg	ND	6.9	03/02/15 12:41	
1,3-Dichlorobenzene	ug/kg	ND	6.9	03/02/15 12:41	
1,4-Dichlorobenzene	ug/kg	ND	6.9	03/02/15 12:41	
1,4-Dioxane (p-Dioxane)	ug/kg	ND	208	03/02/15 12:41	
2-Butanone (MEK)	ug/kg	ND	139	03/02/15 12:41	
2-Hexanone	ug/kg	ND	69.4	03/02/15 12:41	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	69.4	03/02/15 12:41	
Acetone	ug/kg	ND	139	03/02/15 12:41	
Benzene	ug/kg	ND	6.9	03/02/15 12:41	
Bromochloromethane	ug/kg	ND	6.9	03/02/15 12:41	
Bromodichloromethane	ug/kg	ND	6.9	03/02/15 12:41	
Bromoform	ug/kg	ND	6.9	03/02/15 12:41	
Bromomethane	ug/kg	ND	13.9	03/02/15 12:41	
Carbon disulfide	ug/kg	ND	13.9	03/02/15 12:41	
Carbon tetrachloride	ug/kg	ND	6.9	03/02/15 12:41	
Chlorobenzene	ug/kg	ND	6.9	03/02/15 12:41	
Chloroethane	ug/kg	ND	13.9	03/02/15 12:41	
Chloroform	ug/kg	ND	6.9	03/02/15 12:41	
Chloromethane	ug/kg	ND	13.9	03/02/15 12:41	
cis-1,2-Dichloroethene	ug/kg	ND	6.9	03/02/15 12:41	
cis-1,3-Dichloropropene	ug/kg	ND	6.9	03/02/15 12:41	
Cyclohexane	ug/kg	ND	6.9	03/02/15 12:41	
Dibromochloromethane	ug/kg	ND	6.9	03/02/15 12:41	
Dichlorodifluoromethane	ug/kg	ND	13.9	03/02/15 12:41	
Ethylbenzene	ug/kg	ND	6.9	03/02/15 12:41	
Isopropylbenzene (Cumene)	ug/kg	ND	6.9	03/02/15 12:41	
m&p-Xylene	ug/kg	ND	13.9	03/02/15 12:41	
Methyl acetate	ug/kg	ND	13.9	03/02/15 12:41	
Methyl-tert-butyl ether	ug/kg	ND	6.9	03/02/15 12:41	

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QUALITY CONTROL DATA

Project: GREGG PLANT

Pace Project No.: 92239063

METHOD BLANK: 1400410

Matrix: Solid

Associated Lab Samples: 92239063005, 92239063006, 92239063007, 92239063008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Methylcyclohexane	ug/kg	ND	13.9	03/02/15 12:41	
Methylene Chloride	ug/kg	ND	27.8	03/02/15 12:41	
o-Xylene	ug/kg	ND	6.9	03/02/15 12:41	
Styrene	ug/kg	ND	6.9	03/02/15 12:41	
Tetrachloroethene	ug/kg	ND	6.9	03/02/15 12:41	
Toluene	ug/kg	ND	6.9	03/02/15 12:41	
trans-1,2-Dichloroethene	ug/kg	ND	6.9	03/02/15 12:41	
trans-1,3-Dichloropropene	ug/kg	ND	6.9	03/02/15 12:41	
Trichloroethene	ug/kg	ND	6.9	03/02/15 12:41	
Trichlorofluoromethane	ug/kg	ND	6.9	03/02/15 12:41	
Vinyl chloride	ug/kg	ND	13.9	03/02/15 12:41	
1,2-Dichloroethane-d4 (S)	%	92	70-130	03/02/15 12:41	
4-Bromofluorobenzene (S)	%	95	70-130	03/02/15 12:41	
Toluene-d8 (S)	%	101	70-130	03/02/15 12:41	

LABORATORY CONTROL SAMPLE: 1400411

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	74.9	74.8	100	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	74.9	72.9	97	70-130	
1,1,2-Trichloroethane	ug/kg	74.9	73.3	98	70-130	
1,1,2-Trichlorotrifluoroethane	ug/kg	74.9	84.7	113	70-130	
1,1-Dichloroethane	ug/kg	74.9	90.8	121	70-130	
1,1-Dichloroethene	ug/kg	74.9	86.0	115	70-130	
1,2,3-Trichlorobenzene	ug/kg	74.9	74.8	100	70-130	
1,2,4-Trichlorobenzene	ug/kg	74.9	77.3	103	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	74.9	72.3	97	70-130	
1,2-Dibromoethane (EDB)	ug/kg	74.9	75.1	100	70-130	
1,2-Dichlorobenzene	ug/kg	74.9	74.5	99	70-130	
1,2-Dichloroethane	ug/kg	74.9	70.9	95	70-130	
1,2-Dichloropropane	ug/kg	74.9	75.8	101	70-130	
1,3-Dichlorobenzene	ug/kg	74.9	73.7	99	70-130	
1,4-Dichlorobenzene	ug/kg	74.9	74.4	99	70-130	
1,4-Dioxane (p-Dioxane)	ug/kg	1500	1370	92	70-130	
2-Butanone (MEK)	ug/kg	150	145J	97	70-130	
2-Hexanone	ug/kg	150	144	97	70-130	
4-Methyl-2-pentanone (MIBK)	ug/kg	150	142	95	70-130	
Acetone	ug/kg	150	142J	95	70-130	
Benzene	ug/kg	74.9	81.8	109	70-130	
Bromochloromethane	ug/kg	74.9	85.3	114	70-130	
Bromodichloromethane	ug/kg	74.9	67.8	91	70-130	
Bromoform	ug/kg	74.9	72.0	96	70-130	
Bromomethane	ug/kg	74.9	86.6	116	70-130	
Carbon disulfide	ug/kg	74.9	94.9	127	70-130	

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QUALITY CONTROL DATA

Project: GREGG PLANT

Pace Project No.: 92239063

LABORATORY CONTROL SAMPLE: 1400411

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/kg	74.9	73.4	98	70-130	
Chlorobenzene	ug/kg	74.9	74.9	100	70-130	
Chloroethane	ug/kg	74.9	105	140	70-130 L0	
Chloroform	ug/kg	74.9	73.5	98	70-130	
Chloromethane	ug/kg	74.9	85.8	115	70-130	
cis-1,2-Dichloroethene	ug/kg	74.9	89.8	120	70-130	
cis-1,3-Dichloropropene	ug/kg	74.9	78.0	104	70-130	
Cyclohexane	ug/kg	74.9	105	141	70-130 L0	
Dibromochloromethane	ug/kg	74.9	66.1	88	70-130	
Dichlorodifluoromethane	ug/kg	74.9	101	135	70-130 L0	
Ethylbenzene	ug/kg	74.9	75.0	100	70-130	
Isopropylbenzene (Cumene)	ug/kg	74.9	73.5	98	70-130	
m&p-Xylene	ug/kg	150	141	94	70-130	
Methyl acetate	ug/kg	74.9	87.6	117	70-130	
Methyl-tert-butyl ether	ug/kg	74.9	79.5	106	70-130	
Methylcyclohexane	ug/kg	74.9	90.8	121	70-130	
Methylene Chloride	ug/kg	74.9	90.4	121	70-130	
o-Xylene	ug/kg	74.9	74.0	99	70-130	
Styrene	ug/kg	74.9	77.6	104	70-130	
Tetrachloroethene	ug/kg	74.9	75.2	101	70-130	
Toluene	ug/kg	74.9	74.8	100	70-130	
trans-1,2-Dichloroethene	ug/kg	74.9	89.3	119	70-130	
trans-1,3-Dichloropropene	ug/kg	74.9	75.5	101	70-130	
Trichloroethene	ug/kg	74.9	76.3	102	70-130	
Trichlorofluoromethane	ug/kg	74.9	81.1	108	70-130	
Vinyl chloride	ug/kg	74.9	88.0	118	70-130	
1,2-Dichloroethane-d4 (S)	%			92	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			101	70-130	

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QUALITY CONTROL DATA

Project: GREGG PLANT

Pace Project No.: 92239063

QC Batch: OEXT/33289

Analysis Method: EPA 8082

QC Batch Method: EPA 3546

Analysis Description: 8082 GCS PCB SC

Associated Lab Samples: 92239063001, 92239063002, 92239063003, 92239063006, 92239063007, 92239063008

METHOD BLANK: 1400961

Matrix: Solid

Associated Lab Samples: 92239063001, 92239063002, 92239063003, 92239063006, 92239063007, 92239063008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	33.0	03/05/15 01:17	
PCB-1221 (Aroclor 1221)	ug/kg	ND	33.0	03/05/15 01:17	
PCB-1232 (Aroclor 1232)	ug/kg	ND	33.0	03/05/15 01:17	
PCB-1242 (Aroclor 1242)	ug/kg	ND	33.0	03/05/15 01:17	
PCB-1248 (Aroclor 1248)	ug/kg	ND	33.0	03/05/15 01:17	
PCB-1254 (Aroclor 1254)	ug/kg	ND	33.0	03/05/15 01:17	
PCB-1260 (Aroclor 1260)	ug/kg	ND	33.0	03/05/15 01:17	
Decachlorobiphenyl (S)	%	94	10-128	03/05/15 01:17	

LABORATORY CONTROL SAMPLE: 1400962

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	167	110	66	42-137	
PCB-1260 (Aroclor 1260)	ug/kg	167	135	81	46-140	
Decachlorobiphenyl (S)	%			83	10-128	

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QUALITY CONTROL DATA

Project: GREGG PLANT

Pace Project No.: 92239063

QC Batch: OEXT/33434

Analysis Method: EPA 8082

QC Batch Method: EPA 3546

Analysis Description: 8082 GCS PCB SC

Associated Lab Samples: 92239063005

METHOD BLANK: 1406008

Matrix: Solid

Associated Lab Samples: 92239063005

Parameter	Units	Blank Result	Reporting		Qualifiers
			Limit	Analyzed	
PCB-1016 (Aroclor 1016)	ug/kg	ND	33.0	03/09/15 12:10	
PCB-1221 (Aroclor 1221)	ug/kg	ND	33.0	03/09/15 12:10	
PCB-1232 (Aroclor 1232)	ug/kg	ND	33.0	03/09/15 12:10	
PCB-1242 (Aroclor 1242)	ug/kg	ND	33.0	03/09/15 12:10	
PCB-1248 (Aroclor 1248)	ug/kg	ND	33.0	03/09/15 12:10	
PCB-1254 (Aroclor 1254)	ug/kg	ND	33.0	03/09/15 12:10	
PCB-1260 (Aroclor 1260)	ug/kg	ND	33.0	03/09/15 12:10	
Decachlorobiphenyl (S)	%	79	10-128	03/09/15 12:10	

LABORATORY CONTROL SAMPLE: 1406009

Parameter	Units	Spike Conc.	LCS	LCS	% Rec Limits	Qualifiers
			Result	% Rec		
PCB-1016 (Aroclor 1016)	ug/kg	167	140	84	42-137	
PCB-1260 (Aroclor 1260)	ug/kg	167	164	98	46-140	
Decachlorobiphenyl (S)	%			95	10-128	

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QUALITY CONTROL DATA

Project: GREGG PLANT

Pace Project No.: 92239063

QC Batch:	OEXT/33294	Analysis Method:	EPA 8270
QC Batch Method:	EPA 3546	Analysis Description:	8270 Solid MSSV Microwave
Associated Lab Samples:	92239063001, 92239063002, 92239063003, 92239063005, 92239063006, 92239063007, 92239063008		

METHOD BLANK: 1401346	Matrix: Solid
Associated Lab Samples:	92239063001, 92239063002, 92239063003, 92239063005, 92239063006, 92239063007, 92239063008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/kg	ND	330	03/04/15 16:24	
2,2'-Oxybis(1-chloropropane)	ug/kg	ND	330	03/04/15 16:24	
2,3,4,6-Tetrachlorophenol	ug/kg	ND	330	03/04/15 16:24	
2,4,5-Trichlorophenol	ug/kg	ND	330	03/04/15 16:24	
2,4,6-Trichlorophenol	ug/kg	ND	330	03/04/15 16:24	
2,4-Dichlorophenol	ug/kg	ND	330	03/04/15 16:24	
2,4-Dimethylphenol	ug/kg	ND	330	03/04/15 16:24	
2,4-Dinitrophenol	ug/kg	ND	1650	03/04/15 16:24	
2,4-Dinitrotoluene	ug/kg	ND	330	03/04/15 16:24	
2,6-Dinitrotoluene	ug/kg	ND	330	03/04/15 16:24	
2-Chloronaphthalene	ug/kg	ND	330	03/04/15 16:24	
2-Chlorophenol	ug/kg	ND	330	03/04/15 16:24	
2-Methylphenol(o-Cresol)	ug/kg	ND	330	03/04/15 16:24	
2-Nitroaniline	ug/kg	ND	1650	03/04/15 16:24	
2-Nitrophenol	ug/kg	ND	330	03/04/15 16:24	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	330	03/04/15 16:24	
3,3'-Dichlorobenzidine	ug/kg	ND	1650	03/04/15 16:24	
3-Nitroaniline	ug/kg	ND	1650	03/04/15 16:24	
4,6-Dinitro-2-methylphenol	ug/kg	ND	660	03/04/15 16:24	
4-Bromophenylphenyl ether	ug/kg	ND	330	03/04/15 16:24	
4-Chloro-3-methylphenol	ug/kg	ND	660	03/04/15 16:24	
4-Chloroaniline	ug/kg	ND	1650	03/04/15 16:24	
4-Chlorophenylphenyl ether	ug/kg	ND	330	03/04/15 16:24	
4-Nitroaniline	ug/kg	ND	660	03/04/15 16:24	
4-Nitrophenol	ug/kg	ND	1650	03/04/15 16:24	
Acetophenone	ug/kg	ND	330	03/04/15 16:24	
Atrazine	ug/kg	ND	660	03/04/15 16:24	
Benzaldehyde	ug/kg	ND	660	03/04/15 16:24	
Biphenyl (Diphenyl)	ug/kg	ND	330	03/04/15 16:24	
bis(2-Chloroethoxy)methane	ug/kg	ND	330	03/04/15 16:24	
bis(2-Chloroethyl) ether	ug/kg	ND	330	03/04/15 16:24	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	330	03/04/15 16:24	
Butylbenzylphthalate	ug/kg	ND	330	03/04/15 16:24	
Caprolactam	ug/kg	ND	330	03/04/15 16:24	
Carbazole	ug/kg	ND	330	03/04/15 16:24	
Di-n-butylphthalate	ug/kg	ND	330	03/04/15 16:24	
Di-n-octylphthalate	ug/kg	ND	330	03/04/15 16:24	
Dibenzofuran	ug/kg	ND	330	03/04/15 16:24	
Diethylphthalate	ug/kg	ND	330	03/04/15 16:24	
Dimethylphthalate	ug/kg	ND	330	03/04/15 16:24	
Hexachloro-1,3-butadiene	ug/kg	ND	330	03/04/15 16:24	

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QUALITY CONTROL DATA

Project: GREGG PLANT
Pace Project No.: 92239063

METHOD BLANK: 1401346 Matrix: Solid
Associated Lab Samples: 92239063001, 92239063002, 92239063003, 92239063005, 92239063006, 92239063007, 92239063008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachlorobenzene	ug/kg	ND	330	03/04/15 16:24	
Hexachlorocyclopentadiene	ug/kg	ND	330	03/04/15 16:24	
Hexachloroethane	ug/kg	ND	330	03/04/15 16:24	
Isophorone	ug/kg	ND	330	03/04/15 16:24	
N-Nitroso-di-n-propylamine	ug/kg	ND	330	03/04/15 16:24	
N-Nitrosodiphenylamine	ug/kg	ND	330	03/04/15 16:24	
Nitrobenzene	ug/kg	ND	330	03/04/15 16:24	
Pentachlorophenol	ug/kg	ND	1650	03/04/15 16:24	
Phenol	ug/kg	ND	330	03/04/15 16:24	
2,4,6-Tribromophenol (S)	%	79	27-110	03/04/15 16:24	
2-Fluorobiphenyl (S)	%	73	30-110	03/04/15 16:24	
2-Fluorophenol (S)	%	60	13-110	03/04/15 16:24	
Nitrobenzene-d5 (S)	%	68	23-110	03/04/15 16:24	
Phenol-d6 (S)	%	59	22-110	03/04/15 16:24	
Terphenyl-d14 (S)	%	84	28-110	03/04/15 16:24	

LABORATORY CONTROL SAMPLE: 1401347

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/kg	1670	1160	70	36-124	
2,2'-Oxybis(1-chloropropane)	ug/kg	1670	983	59	17-120	
2,3,4,6-Tetrachlorophenol	ug/kg	1670	2750	165	82-262	
2,4,5-Trichlorophenol	ug/kg	1670	1270	76	37-120	
2,4,6-Trichlorophenol	ug/kg	1670	1200	72	40-120	
2,4-Dichlorophenol	ug/kg	1670	952	57	33-120	
2,4-Dimethylphenol	ug/kg	1670	943	57	36-120	
2,4-Dinitrophenol	ug/kg	8330	6870	82	22-121	
2,4-Dinitrotoluene	ug/kg	1670	1490	90	60-120	
2,6-Dinitrotoluene	ug/kg	1670	1490	89	54-120	
2-Chloronaphthalene	ug/kg	1670	1270	76	41-120	
2-Chlorophenol	ug/kg	1670	1020	61	39-120	
2-Methylphenol(o-Cresol)	ug/kg	1670	1020	61	41-120	
2-Nitroaniline	ug/kg	3330	2830	85	45-120	
2-Nitrophenol	ug/kg	1670	945	57	35-120	
3&4-Methylphenol(m&p Cresol)	ug/kg	1670	977	59	35-120	
3,3'-Dichlorobenzidine	ug/kg	8330	2770	33	16-125	
3-Nitroaniline	ug/kg	3330	2590	78	45-120	
4,6-Dinitro-2-methylphenol	ug/kg	3330	3380	101	46-120	
4-Bromophenylphenyl ether	ug/kg	1670	1400	84	36-120	
4-Chloro-3-methylphenol	ug/kg	3330	2240	67	37-120	
4-Chloroaniline	ug/kg	3330	1790	54	35-120	
4-Chlorophenylphenyl ether	ug/kg	1670	1340	80	30-120	
4-Nitroaniline	ug/kg	3330	2550	77	48-120	
4-Nitrophenol	ug/kg	8330	8400	101	43-120	

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QUALITY CONTROL DATA

Project: GREGG PLANT

Pace Project No.: 92239063

LABORATORY CONTROL SAMPLE: 1401347

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acetophenone	ug/kg	1670	1100	66	39-120	
Atrazine	ug/kg	1670	2040	122	70-156	
Benzaldehyde	ug/kg	1670	ND	0	10-120 L2	
Biphenyl (Diphenyl)	ug/kg	1670	1110	66	40-120	
bis(2-Chloroethoxy)methane	ug/kg	1670	1150	69	21-120	
bis(2-Chloroethyl) ether	ug/kg	1670	1070	64	25-120	
bis(2-Ethylhexyl)phthalate	ug/kg	1670	1410	85	56-123	
Butylbenzylphthalate	ug/kg	1670	1440	86	57-120	
Caprolactam	ug/kg	1670	1390	83	23-163	
Carbazole	ug/kg	1670	1240	74	57-120	
Di-n-butylphthalate	ug/kg	1670	1490	89	58-120	
Di-n-octylphthalate	ug/kg	1670	1340	80	47-121	
Dibenzofuran	ug/kg	1670	1250	75	43-120	
Diethylphthalate	ug/kg	1670	1400	84	55-120	
Dimethylphthalate	ug/kg	1670	1330	80	54-120	
Hexachloro-1,3-butadiene	ug/kg	1670	1020	61	22-120	
Hexachlorobenzene	ug/kg	1670	1410	85	53-120	
Hexachlorocyclopentadiene	ug/kg	1670	1110	67	18-150	
Hexachloroethane	ug/kg	1670	1170	70	39-120	
Isophorone	ug/kg	1670	952	57	38-120	
N-Nitroso-di-n-propylamine	ug/kg	1670	1100	66	30-120	
N-Nitrosodiphenylamine	ug/kg	1670	1340	80	50-120	
Nitrobenzene	ug/kg	1670	964	58	37-120	
Pentachlorophenol	ug/kg	8330	2470	30	10-120	
Phenol	ug/kg	1670	1130	68	37-120	
2,4,6-Tribromophenol (S)	%			95	27-110	
2-Fluorobiphenyl (S)	%			64	30-110	
2-Fluorophenol (S)	%			59	13-110	
Nitrobenzene-d5 (S)	%			54	23-110	
Phenol-d6 (S)	%			61	22-110	
Terphenyl-d14 (S)	%			96	28-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1401348 1401349

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	RPD	Max Qual
		92239063003	Result	Spike Conc.	Spike Conc.						
1,2,4,5-Tetrachlorobenzene	ug/kg	ND	1830	1830	1110	1240	61	68	50-150	11	30
2,2'-Oxybis(1-chloropropane)	ug/kg	ND	1830	1830	895	1070	49	58	50-150	18	30 M0
2,3,4,6-Tetrachlorophenol	ug/kg	ND	1830	1830	2080	2080	114	114	50-150	0	30
2,4,5-Trichlorophenol	ug/kg	ND	1830	1830	1160	1190	64	65	28-110	2	30
2,4,6-Trichlorophenol	ug/kg	ND	1830	1830	831	823	46	45	17-117	1	30
2,4-Dichlorophenol	ug/kg	ND	1830	1830	893	981	49	54	21-128	9	30
2,4-Dimethylphenol	ug/kg	ND	1830	1830	925	1030	51	56	10-120	10	30
2,4-Dinitrophenol	ug/kg	ND	9130	9130	1960	1910	21	21	10-107	3	30
2,4-Dinitrotoluene	ug/kg	ND	1830	1830	1490	1590	82	87	36-109	6	30

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QUALITY CONTROL DATA

Project: GREGG PLANT

Pace Project No.: 92239063

Parameter	Units	92239063003		MS Spike		MSD Spike		MS Result		MSD Result		% Rec	Limits	Max RPD	Max RPD	Qual
		Result	Conc.	Conc.	Result	Conc.	Result	Result	% Rec	Result	% Rec					
2,6-Dinitrotoluene	ug/kg	ND	1830	1830	1550	1610	85	88	32-110	4	30					
2-Chloronaphthalene	ug/kg	ND	1830	1830	1190	1340	65	73	30-107	12	30					
2-Chlorophenol	ug/kg	ND	1830	1830	898	1110	49	61	14-106	21	30					
2-Methylphenol(o-Cresol)	ug/kg	ND	1830	1830	886	1130	48	62	10-124	25	30					
2-Nitroaniline	ug/kg	ND	3650	3650	2890	3070	79	84	26-116	6	30					
2-Nitrophenol	ug/kg	ND	1830	1830	782	941	43	52	28-103	19	30					
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	1830	1830	878	1100	48	60	10-109	22	30					
3,3'-Dichlorobenzidine	ug/kg	ND	9130	9130	2640	2730	28	29	10-150	3	30					
3-Nitroaniline	ug/kg	ND	3650	3650	2660	2850	73	78	22-110	7	30					
4,6-Dinitro-2-methylphenol	ug/kg	ND	3650	3650	496J	326J	14	9	13-121		30 M1					
4-Bromophenylphenyl ether	ug/kg	ND	1830	1830	1360	1450	75	79	31-109	6	30					
4-Chloro-3-methylphenol	ug/kg	ND	3650	3650	2360	2530	65	69	13-128	7	30					
4-Chloroaniline	ug/kg	ND	3650	3650	1780J	1970	49	54	18-102		30					
4-Chlorophenylphenyl ether	ug/kg	ND	1830	1830	1320	1420	72	78	29-112	8	30					
4-Nitroaniline	ug/kg	ND	3650	3650	2680	2840	73	78	16-111	6	30					
4-Nitrophenol	ug/kg	ND	9130	9130	2440	2670	27	29	14-135	9	30					
Acetophenone	ug/kg	ND	1830	1830	1010	1260	55	69	50-150	22	30					
Atrazine	ug/kg	ND	1830	1830	1910	1930	105	106	50-150	1	30					
Benzaldehyde	ug/kg	ND	1830	1830	ND	ND	2	2	50-150		30 M0					
Biphenyl (Diphenyl)	ug/kg	ND	1830	1830	1050	1160	58	64	50-150	10	30					
bis(2-Chloroethoxy)methane	ug/kg	ND	1830	1830	1070	1240	59	68	13-119	15	30					
bis(2-Chloroethyl) ether	ug/kg	ND	1830	1830	987	1140	54	62	10-134	14	30					
bis(2-Ethylhexyl)phthalate	ug/kg	ND	1830	1830	1260	1350	69	74	10-125	6	30					
Butylbenzylphthalate	ug/kg	ND	1830	1830	1280	1390	70	76	18-110	8	30					
Caprolactam	ug/kg	ND	1830	1830	1410	1450	77	79	50-150	3	30					
Carbazole	ug/kg	ND	1830	1830	1260	1350	69	74	50-150	7	30					
Di-n-butylphthalate	ug/kg	ND	1830	1830	1430	1520	78	83	19-112	6	30					
Di-n-octylphthalate	ug/kg	ND	1830	1830	1210	1340	66	73	17-105	10	30					
Dibenzofuran	ug/kg	ND	1830	1830	1240	1340	68	74	35-103	8	30					
Diethylphthalate	ug/kg	ND	1830	1830	1440	1530	79	84	27-113	6	30					
Dimethylphthalate	ug/kg	ND	1830	1830	1380	1450	75	79	26-111	5	30					
Hexachloro-1,3-butadiene	ug/kg	ND	1830	1830	978	1130	54	62	16-116	14	30					
Hexachlorobenzene	ug/kg	ND	1830	1830	1380	1440	75	79	27-120	5	30					
Hexachlorocyclopentadiene	ug/kg	ND	1830	1830	920	1200	50	66	10-108	26	30					
Hexachloroethane	ug/kg	ND	1830	1830	1110	1290	61	71	10-117	15	30					
Isophorone	ug/kg	ND	1830	1830	922	1020	50	56	28-114	10	30					
N-Nitroso-di-n-propylamine	ug/kg	ND	1830	1830	1010	1240	55	68	27-113	20	30					
N-Nitrosodiphenylamine	ug/kg	ND	1830	1830	1300	1350	71	74	10-128	4	30					
Nitrobenzene	ug/kg	ND	1830	1830	934	1070	51	59	18-114	14	30					
Pentachlorophenol	ug/kg	ND	9130	9130	1200J	1160J	13	13	10-122		30					
Phenol	ug/kg	ND	1830	1830	993	1230	54	67	11-102	21	30					
2,4,6-Tribromophenol (S)	%						74	78	27-110							
2-Fluorobiphenyl (S)	%						55	61	30-110							
2-Fluorophenol (S)	%						44	52	13-110							
Nitrobenzene-d5 (S)	%						48	55	23-110							

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QUALITY CONTROL DATA

Project: GREGG PLANT

Pace Project No.: 92239063

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:			1401348		1401349									
Parameter	Units	92239063003 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max	RPD	Qual	
			Spike Conc.	Spike Conc.										
Phenol-d6 (S)	%						49		60	22-110				
Terphenyl-d14 (S)	%						76		80	28-110				

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QUALITY CONTROL DATA

Project: GREGG PLANT

Pace Project No.: 92239063

QC Batch:	OEXT/33319	Analysis Method:	EPA 8270 by SIM
QC Batch Method:	EPA 3546	Analysis Description:	8270 MSSV PAH by SIM
Associated Lab Samples: 92239063001, 92239063002, 92239063003, 92239063005, 92239063006, 92239063007, 92239063008			

METHOD BLANK: 1402154	Matrix: Solid
Associated Lab Samples: 92239063001, 92239063002, 92239063003, 92239063005, 92239063006, 92239063007, 92239063008	

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	ND	10.0	03/06/15 14:47	
2-Methylnaphthalene	ug/kg	ND	10.0	03/06/15 14:47	
Acenaphthene	ug/kg	ND	10.0	03/06/15 14:47	
Acenaphthylene	ug/kg	ND	10.0	03/06/15 14:47	
Anthracene	ug/kg	ND	10.0	03/06/15 14:47	
Benzo(a)anthracene	ug/kg	ND	10.0	03/06/15 14:47	
Benzo(a)pyrene	ug/kg	ND	10.0	03/06/15 14:47	
Benzo(b)fluoranthene	ug/kg	ND	10.0	03/06/15 14:47	
Benzo(g,h,i)perylene	ug/kg	ND	10.0	03/06/15 14:47	
Benzo(k)fluoranthene	ug/kg	ND	10.0	03/06/15 14:47	
Chrysene	ug/kg	ND	10.0	03/06/15 14:47	
Dibenz(a,h)anthracene	ug/kg	ND	10.0	03/06/15 14:47	
Fluoranthene	ug/kg	ND	10.0	03/06/15 14:47	
Fluorene	ug/kg	ND	10.0	03/06/15 14:47	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	10.0	03/06/15 14:47	
Naphthalene	ug/kg	ND	10.0	03/06/15 14:47	
Phenanthrene	ug/kg	ND	10.0	03/06/15 14:47	
Pyrene	ug/kg	ND	10.0	03/06/15 14:47	
2-Fluorobiphenyl (S)	%	59	10-110	03/06/15 14:47	
Nitrobenzene-d5 (S)	%	64	10-128	03/06/15 14:47	
Terphenyl-d14 (S)	%	76	39-119	03/06/15 14:47	

LABORATORY CONTROL SAMPLE: 1402155

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	33.3	18.7	56	44-130	
2-Methylnaphthalene	ug/kg	33.3	18.3	55	41-134	
Acenaphthene	ug/kg	33.3	20.3	61	52-123	
Acenaphthylene	ug/kg	33.3	20.3	61	49-116	
Anthracene	ug/kg	33.3	22.2	66	41-133	
Benzo(a)anthracene	ug/kg	33.3	23.3	70	56-130	
Benzo(a)pyrene	ug/kg	33.3	23.5	70	51-136	
Benzo(b)fluoranthene	ug/kg	33.3	23.8	71	37-149	
Benzo(g,h,i)perylene	ug/kg	33.3	22.7	68	39-127	
Benzo(k)fluoranthene	ug/kg	33.3	22.6	68	45-139	
Chrysene	ug/kg	33.3	23.8	71	59-127	
Dibenz(a,h)anthracene	ug/kg	33.3	21.4	64	37-139	
Fluoranthene	ug/kg	33.3	24.5	74	53-132	
Fluorene	ug/kg	33.3	20.9	63	45-127	
Indeno(1,2,3-cd)pyrene	ug/kg	33.3	22.6	68	35-145	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: GREGG PLANT

Pace Project No.: 92239063

LABORATORY CONTROL SAMPLE: 1402155

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/kg	33.3	18.8	56	45-123	
Phenanthrene	ug/kg	33.3	21.6	65	50-125	
Pyrene	ug/kg	33.3	25.8	77	52-132	
2-Fluorobiphenyl (S)	%			55	10-110	
Nitrobenzene-d5 (S)	%			59	10-128	
Terphenyl-d14 (S)	%			66	39-119	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1402156 1402157

Parameter	Units	MS		MSD		MS	MSD	MSD	% Rec	Max	RPD	RPD	Qual
		92239161001	Spiked Conc.	Spiked Conc.	Result								
1-Methylnaphthalene	ug/kg	ND	41.9	41.9	16.4	27.4	39	65	50-150	50	30	1g,M1, R1	
2-Methylnaphthalene	ug/kg	ND	41.9	41.9	16.1	26.9	38	64	50-150	50	30		
Acenaphthene	ug/kg	ND	41.9	41.9	17.5	29.4	42	70	50-150	51	30		
Acenaphthylene	ug/kg	ND	41.9	41.9	17.5	29.0	42	69	50-150	49	30		
Anthracene	ug/kg	ND	41.9	41.9	18.4	30.0	44	71	50-150	48	30		
Benz(a)anthracene	ug/kg	ND	41.9	41.9	17.9	29.5	43	70	50-150	49	30		
Benz(a)pyrene	ug/kg	ND	41.9	41.9	17.6	28.9	42	69	50-150	48	30		
Benz(b)fluoranthene	ug/kg	ND	41.9	41.9	18.1	31.4	43	75	50-150	54	30		
Benz(g,h,i)perylene	ug/kg	ND	41.9	41.9	16.4	27.0	38	63	50-150	49	30		
Benz(k)fluoranthene	ug/kg	ND	41.9	41.9	16.7	27.3	40	65	50-150	48	30		
Chrysene	ug/kg	ND	41.9	41.9	18.3	30.9	44	74	50-150	51	30		
Dibenz(a,h)anthracene	ug/kg	ND	41.9	41.9	15.9	27.2	38	65	50-150	52	30		
Fluoranthene	ug/kg	ND	41.9	41.9	19.1	30.3	46	72	50-150	45	30		
Fluorene	ug/kg	ND	41.9	41.9	17.2	29.9	41	71	50-150	54	30		
Indeno(1,2,3-cd)pyrene	ug/kg	ND	41.9	41.9	16.6	27.3	40	65	50-150	49	30		
Naphthalene	ug/kg	ND	41.9	41.9	16.6	27.7	40	66	50-150	50	30		
Phenanthrene	ug/kg	ND	41.9	41.9	18.1	29.8	43	71	50-150	49	30		
Pyrene	ug/kg	ND	41.9	41.9	20.1	31.7	48	76	50-150	45	30		
2-Fluorobiphenyl (S)	%						38	62	10-110				
Nitrobenzene-d5 (S)	%						42	68	10-128				
Terphenyl-d14 (S)	%						45	68	39-119				

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QUALITY CONTROL DATA

Project: GREGG PLANT
 Pace Project No.: 92239063

QC Batch:	PMST/7567	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture

Associated Lab Samples: 92239063001, 92239063002, 92239063003, 92239063005, 92239063006, 92239063007, 92239063008

SAMPLE DUPLICATE: 1400465

Parameter	Units	92239162004 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	17.9	18.9	5	25	

SAMPLE DUPLICATE: 1400466

Parameter	Units	92239063008 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	15.5	15.1	2	25	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: GREGG PLANT

Pace Project No.: 92239063

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether, Styrene, and Vinyl chloride.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

- 1g Footnote applies to all compounds.
- D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
- L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
- L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
- L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
- M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
- M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
- R1 RPD value was outside control limits.
- S0 Surrogate recovery outside laboratory control limits.
- S4 Surrogate recovery not evaluated against control limits due to sample dilution.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: GREGG PLANT
Pace Project No.: 92239063

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92239063001	CS-SS-01	EPA 3546	OEXT/33289	EPA 8082	GCSV/20522
92239063002	CS-SS-02	EPA 3546	OEXT/33289	EPA 8082	GCSV/20522
92239063003	CS-SS-03	EPA 3546	OEXT/33289	EPA 8082	GCSV/20522
92239063005	CS-SB-01	EPA 3546	OEXT/33434	EPA 8082	GCSV/20586
92239063006	CS-SB-02	EPA 3546	OEXT/33289	EPA 8082	GCSV/20522
92239063007	CS-SB-03	EPA 3546	OEXT/33289	EPA 8082	GCSV/20522
92239063008	CS-SB-04	EPA 3546	OEXT/33289	EPA 8082	GCSV/20522
92239063001	CS-SS-01	EPA 3050	MPRP/17987	EPA 6010	ICP/16166
92239063002	CS-SS-02	EPA 3050	MPRP/17987	EPA 6010	ICP/16166
92239063003	CS-SS-03	EPA 3050	MPRP/17987	EPA 6010	ICP/16166
92239063005	CS-SB-01	EPA 3050	MPRP/17987	EPA 6010	ICP/16166
92239063006	CS-SB-02	EPA 3050	MPRP/17987	EPA 6010	ICP/16166
92239063007	CS-SB-03	EPA 3050	MPRP/17987	EPA 6010	ICP/16166
92239063008	CS-SB-04	EPA 3050	MPRP/17987	EPA 6010	ICP/16166
92239063004	EQUIPMENT BLANK	EPA 3010	MPRP/17991	EPA 6010	ICP/16179
92239063004	EQUIPMENT BLANK	EPA 7470	MERP/7627	EPA 7470	MERC/7318
92239063001	CS-SS-01	EPA 7471	MERP/7631	EPA 7471	MERC/7322
92239063002	CS-SS-02	EPA 7471	MERP/7631	EPA 7471	MERC/7322
92239063003	CS-SS-03	EPA 7471	MERP/7631	EPA 7471	MERC/7322
92239063005	CS-SB-01	EPA 7471	MERP/7631	EPA 7471	MERC/7322
92239063006	CS-SB-02	EPA 7471	MERP/7631	EPA 7471	MERC/7322
92239063007	CS-SB-03	EPA 7471	MERP/7631	EPA 7471	MERC/7322
92239063008	CS-SB-04	EPA 7471	MERP/7631	EPA 7471	MERC/7322
92239063001	CS-SS-01	EPA 3546	OEXT/33294	EPA 8270	MSSV/10369
92239063002	CS-SS-02	EPA 3546	OEXT/33294	EPA 8270	MSSV/10369
92239063003	CS-SS-03	EPA 3546	OEXT/33294	EPA 8270	MSSV/10369
92239063005	CS-SB-01	EPA 3546	OEXT/33294	EPA 8270	MSSV/10369
92239063006	CS-SB-02	EPA 3546	OEXT/33294	EPA 8270	MSSV/10369
92239063007	CS-SB-03	EPA 3546	OEXT/33294	EPA 8270	MSSV/10369
92239063008	CS-SB-04	EPA 3546	OEXT/33294	EPA 8270	MSSV/10369
92239063001	CS-SS-01	EPA 3546	OEXT/33319	EPA 8270 by SIM	MSSV/10385
92239063002	CS-SS-02	EPA 3546	OEXT/33319	EPA 8270 by SIM	MSSV/10385
92239063003	CS-SS-03	EPA 3546	OEXT/33319	EPA 8270 by SIM	MSSV/10385
92239063005	CS-SB-01	EPA 3546	OEXT/33319	EPA 8270 by SIM	MSSV/10385
92239063006	CS-SB-02	EPA 3546	OEXT/33319	EPA 8270 by SIM	MSSV/10385
92239063007	CS-SB-03	EPA 3546	OEXT/33319	EPA 8270 by SIM	MSSV/10385
92239063008	CS-SB-04	EPA 3546	OEXT/33319	EPA 8270 by SIM	MSSV/10385
92239063009	TRIP BLANK	EPA 8260	MSV/30533		
92239063005	CS-SB-01	EPA 8260	MSV/30543		
92239063006	CS-SB-02	EPA 8260	MSV/30543		
92239063007	CS-SB-03	EPA 8260	MSV/30543		
92239063008	CS-SB-04	EPA 8260	MSV/30543		
92239063001	CS-SS-01	ASTM D2974-87	PMST/7567		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: GREGG PLANT
Pace Project No.: 92239063

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92239063002	CS-SS-02	ASTM D2974-87	PMST/7567		
92239063003	CS-SS-03	ASTM D2974-87	PMST/7567		
92239063005	CS-SB-01	ASTM D2974-87	PMST/7567		
92239063006	CS-SB-02	ASTM D2974-87	PMST/7567		
92239063007	CS-SB-03	ASTM D2974-87	PMST/7567		
92239063008	CS-SB-04	ASTM D2974-87	PMST/7567		

REPORT OF LABORATORY ANALYSIS

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Client Name: Craig Dukes

Courier: FedEx UPS USPS Client Commercial Pace Other _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Optional

Proj. Due Date: _____
 Proj. Name: _____

Packing Material: Bubble Vap Bubble Bags None Other _____

Thermometer Used: IR Gun T1401 Type of Ice: Wet Blue None Samples on ice, cooling process has begun

Temp Correction Factor T1401 No Correction

Corrected Cooler Temp.: 6.8 °C

Biological Tissue is Frozen: Yes No N/A

Date and Initials of person examining contents: AP 2-27-15

Temp should be above freezing to 6°C

Comments: _____

Chain of Custody Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>TB included, not on COC</u>
-Includes date/time/ID/Analysis Matrix:		
All containers needing preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: Craig Dukes Date/Time: 11:52 2/27/15

Comments/ Resolution: Analyze Trip Blank not on COC.

SCURF Review: NMly Date: 2-27-15
 SRF Review: PMG Date: 2-27-15

Place label here

WO# : **92239063**



92239063

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)



CHAIN-OF-CUSTODY / Analytical Request Document

THE CHAIN OF GUARANTEE IN LEGAL PROFESSIONALISM 21

ORIGINAL

SAMPLER NAME AND SIGNATURE	
<i>Craig V. Dukes</i>	
PRINT Name of SAMPLER:	<i>Craig V. Dukes</i>
SIGNATURE of SAMPLER:	<i>Craig V. Dukes</i>
	DATE Signed (MM/DD/YY): <i>2/26/15</i>

***Important Note:** By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 15% per month for any invoices not paid within 30 days.